

EUCNC | 6G Summit

Málaga, Spain ■ 2-5 June 2026



FINAL Programme

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6G Summit

Málaga, Spain • 2-5 June 2026



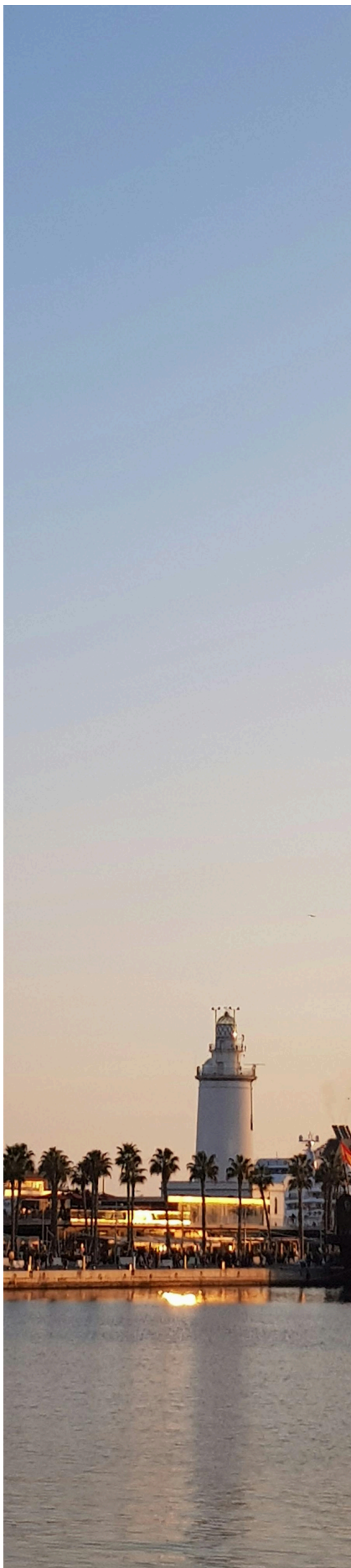


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WELCOME MESSAGE



Thibaut Kleiner
Director, DG CNECT,
European Commission,
General Co-Chair



Antonio Guzmán
Director of Strategic Exploration &
Innovation Portfolio in Telefónica
Innovación Digital (TID),
General Co-Chair

Message from the General Chairs

Distinguished Guests, Esteemed Colleagues, Ladies and Gentlemen,

It is my honour to welcome you to the 2026 EuCNC & 6G Summit in Málaga, Spain, for the key yearly gathering on innovation and future connectivity, proudly supported by our main sponsor Telefónica.

Málaga is a force to count within Europe's technology landscape. With institutions such as the University of Málaga, the Institute for Software Engineering and Software Technologies of University of Málaga (ITIS), the Andalusian Digital Agency, and the Andalusian Technology Park (PTA), the region is driving breakthroughs in AI, edge computing, and sustainable networking solutions. This dynamic ecosystem in Málaga is ideal to explore innovation trends on wireless connectivity, in particular on 6G.

The Smart Networks and Services Joint Undertaking (SNS JU), backed by €1.8 billion in public and private investment over 7 years, continues to propel Europe's 6G research forward. To date, the SNS JU has launched 79 cutting-edge projects, with an additional 20 projects recently selected for funding. These initiatives span system architecture, large-scale trials in smart cities, healthcare, and autonomous mobility solutions, all aimed at advancing core 6G technologies and reinforcing Europe's leadership in standardisation, security, and industrial adoption.

At this year's summit, we will delve into the critical themes defining 6G's development, in particular how 6G is connecting Intelligence, which is the motto of this year's conference. As the first truly AI-native network, 6G will leverage machine learning for spectrum optimisation, predictive maintenance, and self-healing capabilities, setting new benchmarks in efficiency. Sustainability is no longer optional and security by design remains paramount to safeguard critical infrastructures in energy, transport, and healthcare against evolving cyber threats. Finally, global standardisation and collaboration are essential, with 3GPP driving 6G standardisation efforts.

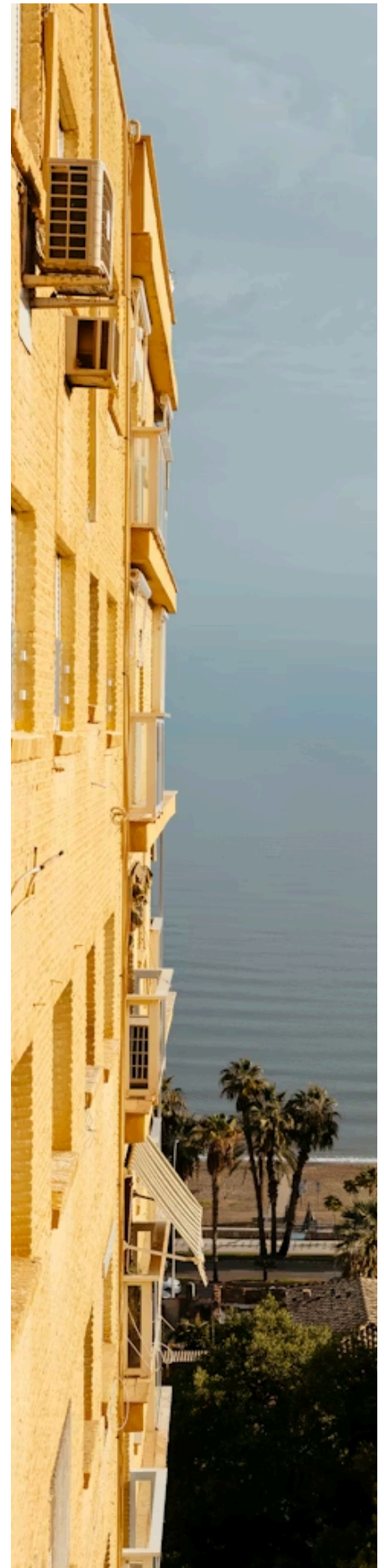
The program of the conference features a comprehensive range of sessions including keynotes, workshops, tutorials, special sessions, convened sessions, panels, poster sessions, and regular paper presentations across multiple tracks. The acceptance rate remains highly selective, ensuring the highest quality of contributions that foster collaboration among stakeholders and lay the foundation for impactful partnerships across Europe and beyond.

This year's summit also marks a historic milestone with a record number of submissions, demonstrating the vibrant research and innovation ecosystem driving Europe's digital future. Sincere thanks go to the Steering Committee, Track Chairs, and the Local Organising Team in Málaga, whose tireless efforts have made this event possible. With over 1,000 delegates from more than 40 countries, this summit is a testament to the power of global collaboration.

We encourage you to engage deeply in the discussions, challenge conventional thinking, and seize the opportunity to shape the future of connectivity. Enjoy the warmth and hospitality of Málaga, the richness of the programme, and the privilege of being part of a community that is writing the next chapter of digital communications.

¡Bienvenidos a todos! Welcome to the future of 6G.

Thibaut Kleiner // Antonio Guzmán
Conference General Chair



WELCOME MESSAGE TPC - Chairs



Pedro Merino
Professor, University of Málaga (UMA) Director, ITIS, ES
TPC Co-Chair



Ivan Seskar
Chief Technologist, WINLAB (Wireless Information Network Laboratory) Rutgers University, US
TCP Co-Chair



Ari Pouttu
Director of 6G Flagship University of Oulu, FI
TCP Co-Chair

Dear colleagues and friends,

Welcome to this new edition of the EuCNC & 6GS Conference, hosted in the FYCMA Convention Center in the city of Málaga.

Málaga was a major industrial hub in the 19th century and, after several transformations, it established itself as a leading area for Information and Communication Technologies in the late 20th century, with companies such as Fujitsu, Alcatel Citesa, and Siemens. Today, it remains one of Spain's key innovation hubs in this field, with Málaga Tech Park hosting major players such as Ericsson, Keysight Technologies, and Dekra, as well as the University of Málaga, which is highly active in international collaborations. New actors are also joining the ecosystem, including the upcoming IMEC microelectronics factory. Beyond its technological appeal, Málaga offers many attractions: renowned museums, its legacy as the birthplace of Picasso, charming nearby villages, and its coastline, which draws around 12 million visitors each year.

The theme of this edition, "6G Connecting Intelligence," reflects the central role that AI and machine learning are increasingly playing, both in the operation of mobile networks and in the applications built on top of them. In line with this theme, it is no surprise that the most popular term after 6G is AI/ML, and the track with the highest number of submissions is AI/ML for communications, for which we have scheduled 40 papers. In total, the conference features 195 papers across seven tracks. In addition, this edition includes 4 tutorials, 12 special sessions, 16 workshops, 9 convened sessions promoted by the steering committee, 4 keynotes, 3 panels, and 50 posters.

Building 6G standards is a collective global effort to ensure seamless connectivity worldwide. EuCNC & 6GS reflects this spirit as a truly international conference, rooted in Europe and supported by the European Commission. This year, we welcome delegates from over 40 countries, who are also contributing to an exhibition area that continues to grow year after year. In this edition, 60 booths showcase European projects and developments from companies and universities across different regions.

We hope you enjoy the program, made possible by the dedication of more than 500 contributors, including the Steering Committee, TPC members, reviewers, and local organizers. Our sincere thanks go to all of them. We would also like to express our gratitude to the institutions and sponsors supporting this event, including the European Commission, SNS JU, Telefónica, Ericsson, Nokia, ITRI, France 6G, Orange, Dekra, i2CAT, Keysight Technologies, Rohde & Schwarz, Virginia Diodes, Vodafone, and Nearby Computing.

We encourage you to take full advantage of this exceptional venue to network, exchange ideas, and connect with peers. And, of course, we hope you find time to enjoy Málaga—perhaps over some tapas by the sea.

It will be a pleasure to share this conference with all of you.

Pedro Merino, Local Organizer and TPC Co-chair

Ivan Seskar, TCP Co-Chair

Ari Pouttu, TCP Vice-Chair





WELCOME TO MÁLAGA

Málaga is one of the most important cities in Spain and not only for the fantastic beaches, it also offers mountain and cultural activities. There is a wide variety of museums and monuments to visit. Without forgetting its fantastic gastronomy. The heart of the Costa del Sol mixes tradition and innovation and gives the visitors a unique experience with many different plan options.

Málaga, located on the sunny Costa del Sol, is a vibrant city that blends history, culture, and Mediterranean charm. With more than 3,000 years of history, it offers a rich mix of monuments, museums, gastronomy, and beaches, all within a lively and walkable urban setting.

HISTORY, CULTURE AND MEDITERRANEAN LIFE

Among its most iconic landmarks are the Alcazaba of Málaga and the Gibralfaro Castle, an impressive Moorish fortress complex where you can explore ancient walls and enjoy panoramic views over the city, the harbour, and the coastline. At its foot lies the Roman Theatre of Málaga, one of the oldest surviving monuments in the city, reflecting its Roman origins. Not far away stands the Málaga Cathedral, famously known as “La Manquita” due to its unfinished tower, and admired for its Renaissance architecture.

Málaga is also one of Europe’s most dynamic cultural destinations, with more than 40 museums offering a wide range of artistic experiences. The Picasso Museum Málaga celebrates the legacy of the city’s most famous artist, while the Centre Pompidou Málaga, the Carmen Thyssen Museum Málaga, and other collections bring modern and contemporary art into the heart of the city.

Outdoor life is an essential part of Málaga’s identity, thanks to its mild climate and more than 300 days of sunshine per year. This makes its city beaches, such as La Malagueta Beach and Pedregalejo Beach, popular all year round. The waterfront area of Muelle Uno is another lively spot, perfect for walking, shopping, or dining by the sea.

The city’s gastronomy reflects its coastal and Andalusian heritage, with highlights such as “espeto de sardinas” (sardines grilled over open fire on the beach), local wines, and traditional tapas served in countless bars and restaurants across the city.

From Málaga, it is also easy to explore some of the most remarkable destinations in Andalusia, including Ronda with its dramatic gorge, Granada and the world-famous Alhambra, or the picturesque white villages of the Axarquía region, making the city an ideal base for discovering southern Spain.

USEFUL INFORMATION

EuCNC & 6G Summit Registration and Info Desk:

Located at FYCMA - Trade Fairs & Congress Centre of Malaga

Av. de José Ortega y Gasset, 201 – 29006 Málaga

For queries email: registration@eucnckeynotepco.eu

Tel:

- Before May 31st 2026: 00 353 1 400 3611
- From June 1st 2026 : 00 353 83 325 5244

Registration and Info Desk Opening times:

Monday, 1st June – 16:00 – 18:00

Tuesday, 2nd June – 08:00 – 19:00

Wednesday, 3rd June – 08:00 – 18:30

Thursday, 4th June – 08:30 – 18:00

Friday, 5th June – 08:30 – 13:00

Wi-Fi:

Free Wi-Fi is offered to the EuCNC 2026 participants and exhibitors.

- Network: **EUCNC2026**
- Password: **EUCNC2026_malaga**

Social Media:

Follow us on social media and be the first to hear the latest news, exciting happenings, and updates:

- X: <https://x.com/EuCNC>
- LinkedIn: <https://www.linkedin.com/company/eucnc-6g-summit/>
- EuCNC & 6G summit Facebook: <https://www.facebook.com/eucnc6gsummit/>
- YouTube: <https://www.youtube.com/c/EuCNC6GSummit>

Share your own stories and photos!

Include our official hashtags: **#EuCNC2026** and **#6Gsummit**.

USEFUL INFORMATION

EuCNC & 6G Summit 2026 App:

Use the official conference app at the EuCNC 2026 & 6G Summit. The conference is using the **Conference4me** app, where you can see the full program, vote for the best booth, check the exhibitors, and add sessions to your agenda.

Download the Conference App:

- Download **Conference4me** in the App Store, Google Play or Windows Phone (or use the QR Code)
- Select the conference "2026 EuCNC (European Conference on Networks and Communications) & 6G Summit" and download the information. No need to register.
- Make sure to "check for update" at least once a day in order to have all the new information (on the 3 dots on the right of your screen) <https://conference4me.psnc.pl/download/>





CONFERENCE VENUE

FYCMA is the Trade Fairs and Congress Center of Málaga, an events and exhibition venue located in Málaga, Spain. It organizes and promotes trade fairs, congresses, and professional events, while also offering its spaces and facilities for third-party events. Founded in 2003, FYCMA has become a key business hub in Southern Europe, driving the economy, employment, and Málaga's positioning as a business and technology destination.

TRADE FAIRS AND CONGRESS CENTER FYCMA

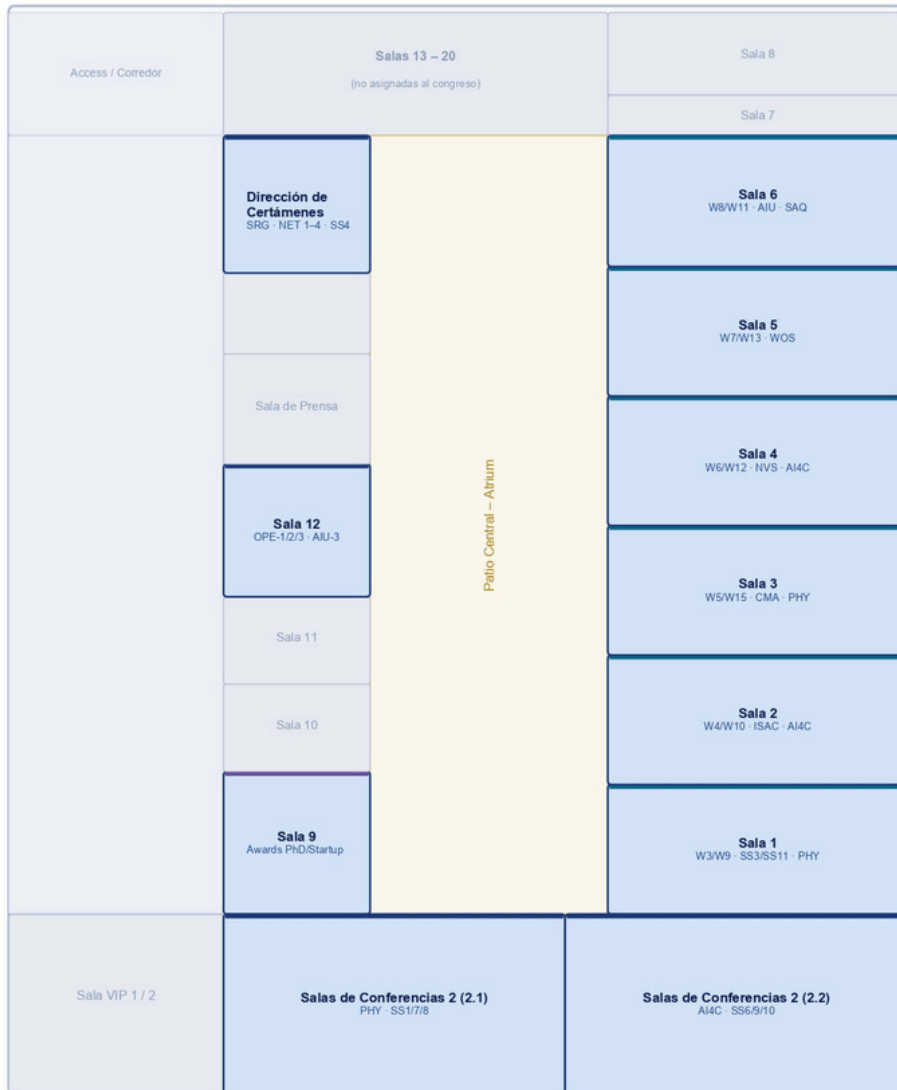
FYCMA has a total area of 60000 m² and 19500 m² of exhibition space, making it a versatile venue capable of hosting any type of event. Its functional and contemporary design, which combines Málaga's maritime tradition with 21st century innovation, offers a wide variety of spaces that allow the venue to host events with more than 20000 participants.

Two exhibition halls, two auditoriums, two conference rooms, one exhibition hall, sixteen multipurpose rooms, three dining areas, and free parking for 1200 vehicles, among other facilities, make up the infrastructure needed to meet any logistical and organizational requirements.

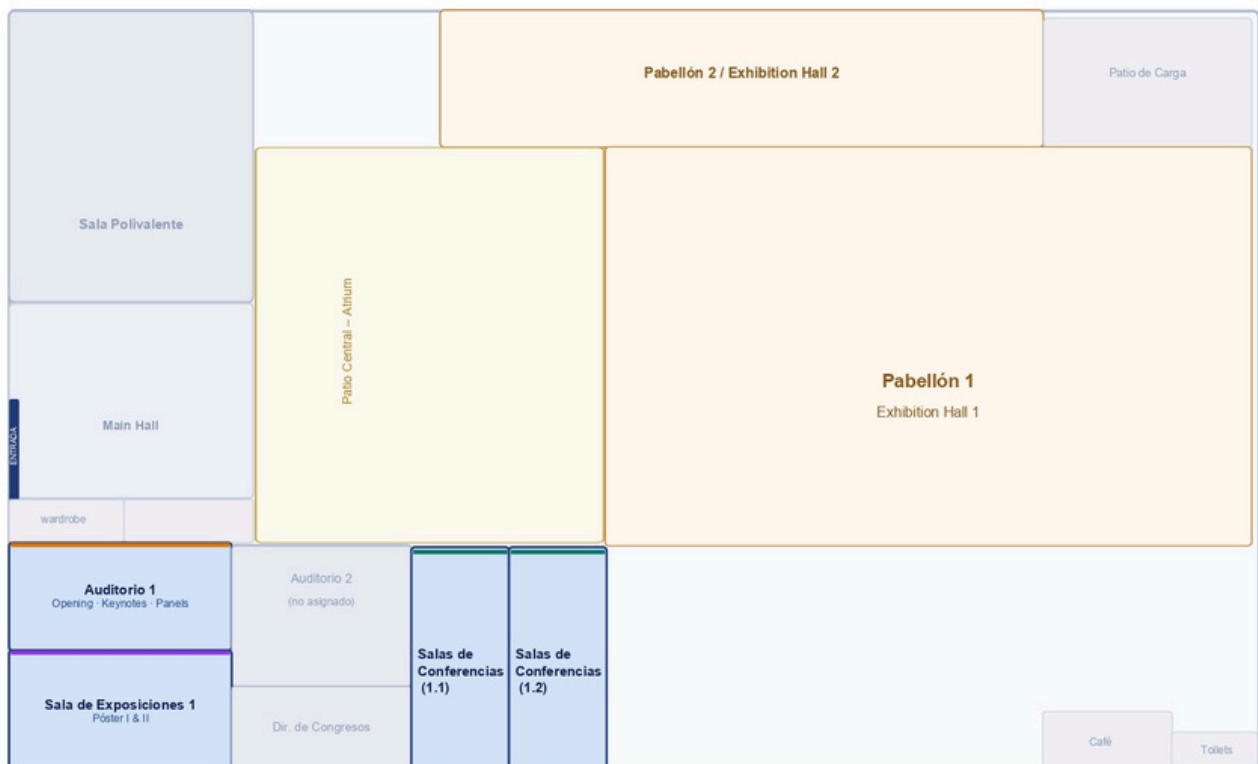
MAP OF FYCMA



FIRST FLOOR



GROUND FLOOR





SOCIAL PROGRAMME

WELCOME RECEPTION

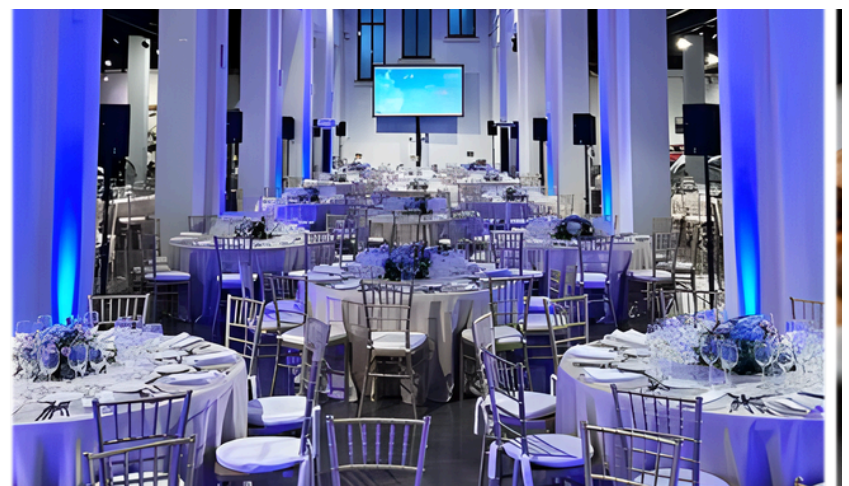
Tuesday, 2nd June | 19:00 – 20:30
FYCMA Included in the registration fee

Join us for the EuCNC & 6G Summit Welcome Reception at the congress venue. Connect with fellow delegates over refreshing drinks and a selection of traditional Spanish tapas, with entertainment included. The perfect opportunity to network and begin your EuCNC experience in a welcoming, lively atmosphere.

CONFERENCE DINNER

Thursday, 4th June | 20:00 – 23:30
Museo del Automóvil y la Moda de Málaga Included in Full and Guest registration only
Dress code: Smart/Casual

An exclusive dinner set among vintage cars and haute couture, with drinks, banquet dinner, entertainment and shuttle bus from the city centre.



CONFERENCE TIMETABLE

GENERAL PROGRAM

	Tuesday, June 2	Wednesday, June 3	Thursday, June 4	Friday, June 5
08:00-08:30	Registration	Registration	Registration	Registration
08:30-09:00				
09:00-09:30	Workshops & Tutorials	Oral Sessions	Keynotes	Oral Sessions
09:30-10:00		Exhibition/Coffee		
10:00-10:30				
10:30-11:00	Exhibition/Coffee	Opening Session	Exhibition/Coffee	Exhibition/Coffee
11:00-11:30	Workshops & Tutorials			
11:30-12:00			Oral Sessions	Panel
12:00-12:30		Keynotes		
12:30-13:00				Posters
13:00-13:30	Exhibition/Lunch			
13:30-14:00		Exhibition/Lunch	Exhibition/Lunch	
14:00-14:30				
14:30-15:00	Workshops & Tutorials	Posters		
15:00-15:30		Panel	Panel	
15:30-16:00	Exhibition/Coffee			
16:00-16:30	Workshops & Tutorials	Exhibition/Coffee	Exhibition/Coffee	
16:30-17:00				
17:00-17:30		Oral Sessions	Oral Sessions	
17:30-18:00	Exhibition			
18:00-18:30			Exhibition*/Drinks	
18:30-19:00		Exhibition		
19:00-19:30	Welcome			
19:30-20:00	Reception/Exhibition			
20:00-20:30			Gala Dinner	

FULL PROGRAM

Tuesday, June 2

Time (Madrid)	Salas de Conferencias 1 (1.1)	Salas de Conferencias 1 (1.2)	Salas de Conferencias 2 (2.1) (1st floor)	Salas de Conferencias 2 (2.2) (1st floor)	Sala 1 (1st floor)	Sala 2 (1st floor)	Sala 3 (1st floor)	Sala 4 (1st floor)	Sala 5 (1st floor)	Sala 6 (1st floor)	Dirección de Certámenes (1st floor)	Sala 12 (1st floor)	Sala 9 (1st floor)
09:00-10:30	Tutorial 1: From Monostatic to Distributed ISAC in 6G: Trade-Offs and Non-Idealities in Sensing and Imaging	Tutorial 3: Semantic Communication for the Internet of Things: Frameworks, Optimization, and Open Challenges	Workshop 1: 6G non-terrestrial networks: from theory to practice - Moving towards in-orbit 6G experiments	Workshop 2: Second Workshop on Integrated Sensing and Communications initiatives on the European research framework	Workshop 3: Rethinking Test, Measurement, and Validation for 6G Networks	Workshop 4: Microelectronics and Photonics Hardware Challenges and Solutions towards 6G	Workshop 5: Is there anything new on Security for 6G Networks?	Workshop 6: Data Platforms for Advanced AI-native Networks: 6G Data Space, DataOps, MLOps, Dataset Generation & Curation	Workshop 7: Agentic AI and Networking for Next-Generation Computer Networks	Workshop 8: Sustainability in 6G: E2E integration and assessment	SNS JU State representatives group, SRG (closed session)		
10:30-11:00	Exhibition & Coffee Break Exhibition, expositions and patio												
11:00-12:30	Tutorial 1: From Monostatic to Distributed ISAC in 6G: Trade-Offs and Non-Idealities in Sensing and Imaging	Tutorial 3: Semantic Communication for the Internet of Things: Frameworks, Optimization, and Open Challenges	Workshop 1: 6G non-terrestrial networks: from theory to practice - Moving towards in-orbit 6G experiments	Workshop 2: Second Workshop on Integrated Sensing and Communications initiatives on the European research framework	Workshop 3: Rethinking Test, Measurement, and Validation for 6G Networks	Workshop 4: Microelectronics and Photonics Hardware Challenges and Solutions towards 6G	Workshop 5: Is there anything new on Security for 6G Networks?	Workshop 6: Data Platforms for Advanced AI-native Networks: 6G Data Space, DataOps, MLOps, Dataset Generation & Curation	Workshop 7: Agentic AI and Networking for Next-Generation Computer Networks	Workshop 8: Sustainability in 6G: E2E integration and assessment	SNS JU State representatives group, SRG (closed session)		
12:30-14:00	Exhibition & Lunch Exhibition, expositions and patio												
14:00-15:30	Tutorial 4: 6G Connectivity for Flying Vehicles: Integrated Architecture, Mobility Intelligence, and Operational Reliability	Tutorial 2: AI/ML for 6G MIMO: From fundamentals to industrialization	Workshop 16: International Cooperation in Artificial Intelligence for 6G Networks	Workshop 14: Large-Scale Trials and Pilots: The Pathway from SNS JU Call 1 to R&I Workprogramme 2027	Workshop 9: Bridging Research, Software and Standards towards AI-Native networks	Workshop 10: Fourth International Workshop on Wireless Communications in Terahertz (IWCT)	Workshop 15: Brains in the Loop: Neuromorphic Computing in Future Communication Systems	Workshop 12: Advancing Network Digital Twins (NDTs) for AI-driven 6G systems: Insights, applications, and cross-project synergies	Workshop 13: Resilience in 6G and beyond: Perspectives, Challenges, and Design Approaches	Workshop 11: Sustainable by Design, Sustainable in Operation: The 6G Perspective	SNS JU State representatives group, SRG (closed session)		

Time (Madrid)	Salas de Conferencias 1 (1.1)	Salas de Conferencias 1 (1.2)	Salas de Conferencias 2 (2.1) (1st floor)	Salas de Conferencias 2 (2.2) (1st floor)	Sala 1 (1st floor)	Sala 2 (1st floor)	Sala 3 (1st floor)	Sala 4 (1st floor)	Sala 5 (1st floor)	Sala 6 (1st floor)	Dirección de Certámenes (1st floor)	Sala 12 (1st floor)	Sala 9 (1st floor)
15:30-16:00	Exhibition & Coffee Break Exhibition, expositions and patio												
16:00-17:30	Tutorial 4: 6G Connectivity for Flying Vehicles: Integrated Architecture, Mobility Intelligence, and Operational Reliability	Tutorial 2: AI/ML for 6G MIMO: From fundamentals to industrialization	Workshop 16: International cooperation in Artificial Intelligence for 6G networks	Workshop 14: Large-Scale Trials and Pilots: The Pathway from SNS JU Call 1 to R&I Workprograme 2027	Workshop 9: Bridging Research, Software and Standards towards AI-Native networks	Workshop 10: Fourth International Workshop on Wireless Communications in Terahertz (IWCT)	Workshop 15: Brains in the Loop: Neuromorphic Computing in Future Communication Systems	Workshop 12: Advancing Network Digital Twins (NDTs) for AI-driven 6G systems: Insights, applications, and cross-project synergies	Workshop 13: Resilience in 6G and beyond: Perspectives, Challenges, and Design Approaches	Workshop 11: Sustainable by Design, Sustainable in Operation: The 6G Perspective	SNS JU State representatives group, SRG (closed session)		
17:30-18:30	Exhibition Exhibition and patio												
18:30-20:30	Welcome Reception Patio												

Wednesday, June 3

Time (Madrid)	Salas de Conferencias 1 (1.1)	Salas de Conferencias 1 (1.2)	Salas de Conferencias 2 (2.1) (1st Floor)	Salas de Conferencias 2 (2.2) (1st Floor)	Sala 1 (1st Floor)	Sala 2 (1st Floor)	Sala 3 (1st Floor)	Sala 4 (1st Floor)	Sala 5 (1st Floor)	Sala 6 (1st Floor)	Dirección de Certámenes (1st Floor)	Sala 12 (1st Floor)	Sala 9 (1st Floor)
08:30-10:00	Convened Session 5: Chipatnability - A concept to integrate sustainability and microelectronics for 6G	Convened Session 3: EURO-3C: Building Europe's first Federated Telco-Edge-Cloud Infrastructure	PHY-1: ISAC Solutions for Communications	AI4C-1: AI/ML Solutions for Communications	Special Session 3: SLICES-RI: Experimenting the Next-Generation Digital Technologies	Special Session 2: ISAC - Integrated Sensing and Communications Towards 6G	CMP-1: Reconfigurable RF and mmWave Systems for FR1-FR3: Circuits, Intelligent Surfaces, and Sensing	NVS-1: 6G Business, Policy, Regulation & Societal Impact	WOS-1: Wireless, Optical and Satellite Networks	AIU-1: Applications, IoT, Use cases	NET-1: Network Softwarisation	OPE-1: Operational & Experimental Insights	
10:00-10:30	Exhibition & Coffee Break Exhibition, expositions and patio												
10:30-11:30	Conference Opening Auditorium												

Time (Madrid)	Salas de Conferencias 1 (1.1)	Salas de Conferencias 1 (1.2)	Salas de Conferencias 2 (2.1) (1st Floor)	Salas de Conferencias 2 (2.2) (1st Floor)	Sala 1 (1st Floor)	Sala 2 (1st Floor)	Sala 3 (1st Floor)	Sala 4 (1st Floor)	Sala 5 (1st Floor)	Sala 6 (1st Floor)	Dirección de Certámenes (1st Floor)	Sala 12 (1st Floor)	Sala 9 (1st Floor)
11:30-12:15	Keynote I: Transforming Telecom Networks: From Infrastructure to Intelligent Platforms, Cayetano Carbarjo Martin (Telefónica, ES) Auditorium												
12:15-13:00	Keynote II: Building the 6G/AI intelligent fabric for tomorrow's society, Magnus Frodigh (Group Function Technology, Ericsson Research, SE) Auditorium												
13:00-14:30	Exhibition & Lunch Exhibition, expositions and patio												
14:30-15:00	Poster Session 1 Sala de exposiciones 1												
15:00-16:30	Panel I: Connected Intelligence: when 6G and AI meet Auditorium												
16:30-17:00	Exhibition & Coffee Break Exhibition, expositions and patio												
17:00-18:30	Convened Session 2: The SME Factor in Europe's Sovereignty	Convened Session 4: UNICO Advanced 5G and 6G R&D Programme in Spain	PHY-2: ISAC, Radar and Localization	AI4C-2: AI/ML Solutions for Communications	Special Session 11: Networks in the AI Era	Special Session 5: Global 6G Testbed Collaboration for Open, Intelligent, and Interoperable Innovation	CMP-2: mmWave and SubTHz Components and Systems	NVS-2: 6G Network Technology, Architecture & Infrastructure	WOS-2: Wireless, Optical and Satellite Networks	AIU-2: Applications, IoT, Use cases	NET-2: Network Softwarisation	OPE-2: Operational & Experimental Insights	
18:30-19:15	Exhibition Exhibition and patio												

Thursday, June 4

Time (Madrid)	Salas de Conferencias 1 (1.1)	Salas de Conferencias 1 (1.2)	Salas de Conferencias 2 (2.1) (1st Floor)	Salas de Conferencias 2 (2.2) (1st Floor)	Sala 1 (1st Floor)	Sala 2 (1st Floor)	Sala 3 (1st Floor)	Sala 4 (1st Floor)	Sala 5 (1st Floor)	Sala 6 (1st Floor)	Dirección de Certámenes (1st Floor)	Sala 12 (1st Floor)	Sala 9 (1st Floor)
09:00-09:45	Keynote III: Planning and operating secure and resilient networks, Carmen Mas-Machuca (Univ. Bundeswehr Munich, DE) Auditorium												
09:45-10:30	Keynote IV: When Networks Sense: AI-enabled Optical Networks for Situational Awareness and Resilient Infrastructure, Marco Ruffini (Trinity College Dublin, School of Computer Science and Statistics, IE) Auditorium												
10:30-11:00	Exhibition & Coffee Break Exhibition, expositions and patio												
11:00-12:30	Convened Session 1: 6G International	Convened Session 6: Leadership,	Special Session 1: Redefining Connectivity:	Special Session 6: From Principles to	PHY-3: MIMO, Beamforming	AI4C-3: AI/ML Solutions for Communications	PHY-4: Measurement,	AI4C-4: AI/ML Solutions for Communications	WOS-3: Wireless, Optical	SAQ-1: Quantum Technologies	NET-3: Network Softwarisation	OPE-3: Operational &	

Time (Madrid)	Salas de Conferencias 1 (1.1)	Salas de Conferencias 1 (1.2)	Salas de Conferencias 2 (2.1) (1st Floor)	Salas de Conferencias 2 (2.2) (1st Floor)	Sala 1 (1st Floor)	Sala 2 (1st Floor)	Sala 3 (1st Floor)	Sala 4 (1st Floor)	Sala 5 (1st Floor)	Sala 6 (1st Floor)	Dirección de Certámenes (1st Floor)	Sala 12 (1st Floor)	Sala 9 (1st Floor)
	R&I Landscape: Regional Priorities, insights and Global convergence towards Future Smart Networks and Services	Visibility and Impact in Research and Innovation	Multidisciplinary Approaches to 6G through Ultra-Massive MIMO and Intelligent Sensing	Practice: Embedding Sustainability in 6G Standardisation	and Channel Estimation		channel and propagation		and Satellite Networks	and Applications		Experimental Insights	
12:30-13:00	Poster Session II Sala de exposiciones 1												
13:00-14:30	Exhibition & Lunch												
14:30-16:00	Panel II: Architectural Transformation towards 6G: Standardization Landscape, Enablers, and Challenges												PhD Awards Session
16:00-16:30	Exhibition & Coffee Break Exhibition, expositions and patio												
16:30-18:00	Special Session 12: France 6G: A Glimpse into SMEs-Led Innovations in national projects in France	Convened Session 8: Spectrum Management in Europe: Bridging Regulatory Practice and Research	Special Session 8: Next Generation Healthcare: High Density 6G Connectivity for Agents, Sensors, and Virtual Care Ecosystems	Special Session 10: Unified Terrestrial and Non-Terrestrial Networks for 6G: Towards Seamless 3D Connectivity	PHY-5: Coding and energy efficiency	AI4C-5: AI/ML Solutions for Communications	PHY-6: Near-field, THz, and advanced communications	AI4C-6: AI/ML Solutions for Communications	WOS-4: Wireless, Optical and Satellite Networks	SAQ-2: Security Architectures and Processes I	NET-4: Network Softwarisation	AIU-3: Applications, IoT, Use cases	Startup Awards Session
18:00-19:00	Exhibition Exhibition and patio												
20:00-22:00	Gala Dinner Museo del Automóvil												

Friday, June 5

Time (Madrid)	Salas de Conferencias 1 (1.1)	Salas de Conferencias 1 (1.2)	Salas de Conferencias 2 (2.1) (1st Floor)	Salas de Conferencias 2 (2.2) (1st Floor)	Sala 1 (1st Floor)	Sala 2 (1st Floor)	Sala 3 (1st Floor)	Sala 4 (1st Floor)	Sala 5 (1st Floor)	Sala 6 (1st Floor)	Dirección de Certámenes (1st Floor)	Sala 12 (1st Floor)	Sala 9 (1st Floor)
Friday, June 5													
09:00-10:30	Convened Session 7: Europe Strategic Research and Innovation Agenda 2026	Convened Session 9: 6G Research into standardisation: Maximising European impact through collaboration, examples of success stories	Special Session 7: Cascaded Funding in SNS Program - Accomplishments, Challenges, and Future Potential	Special Session 9: Architecture Advancements towards 6G: Pre-Standardization, Key Technology Enablers, and Facing Challenges	PHY-7: Reconfigurable Intelligent Surfaces	AI4C-7: AI/ML Solutions for Communications	PHY-8: Waveforms and modulation	AI4C-8: AI/ML Solutions for Communications	WOS: Wireless, Optical and Satellite Networks	SAQ-3: Security Architectures and Processes II	Special Session 4: Robust-6G: Advancing Security and Automation for Next-Generation 6G Networks	MULTIPLE TRACKS	
10:30-11:00	Exhibition & Coffee Break Exhibition, expositions and patio												
11:00-12:30	Panel III: Sustainability in 6G Business												
12:30-12:45	Closing Session												



OPENING AND CLOSING SESSIONS

OPENING SESSIONS

Wednesday, June 3 · 10:30–11:30 · Auditorium



Pedro Merino

TPC Co-chair and local organizer



Thibaut Kleiner

Director for Future Networks in
DG Connect



Erzsebet Fitori

Executive Director of SNS JU



**Juan Teodomiro López
Navarrete**

Rector of University of Malaga

CLOSING SESSIONS

Friday, June 5 · 12:30–12:45 · Auditorium

TBC

KEYNOTE SPEAKERS

TRANSFORMING TELECOM NETWORKS: FROM INFRASTRUCTURE TO INTELLIGENT PLATFORMS

Chair: Ivan Seskar (WINLAB, Rutgers University, USA)

Telecommunications networks are entering a new phase of transformation as operators evolve from traditional connectivity providers to platforms enabling the digital economy. Telefónica, is driving this transition by advancing cloud-native architectures, distributed computing, and increasingly automated and intelligent network operations. This keynote will discuss how operators are transforming core, transport, and edge infrastructures into programmable and scalable platforms capable of supporting emerging digital services and industrial applications. Particular attention will be given to the role of network softwarization, automation, and open innovation ecosystems in accelerating this evolution. The presentation will also highlight the importance of collaboration across the industry (bringing together operators, technology providers, and the research community) to address the challenges of future network architectures and to pave the way toward the next generation of mobile systems. Drawing on Telefónica's experience in large-scale network transformation programmes, the talk will share practical insights into how operators are building more flexible, resilient, and sustainable infrastructures while preparing the technological foundations for the future of connectivity.

Cayetano Carbajo is a Telecommunications Engineer from the Technical University of Madrid. He joined Telefónica in 1995 as a radio planning engineer at Telefónica Móviles España, later moving to the radio engineering department and subsequently leading international and interprovincial projects. In 2000, he moved to Morocco to lead the deployment of the network of Medi Telecom. In 2001, he was appointed Director of Access Network at the corporate unit of Telefónica Móviles. After participating in numerous international initiatives, he became CTO of Telefónica Móviles México, where he led the world's first transition from CDMA to GSM technology.

In 2006 he was appointed Technology Director at Telefónica. In 2014 he became CTO of Telefónica Deutschland, leading one of the largest LTE deployments in the mobile industry and the integration of the O2 and E-Plus networks.

Since November 2019, he has been leading Core, Transport, Innovation and Ecosystem at Telefónica, driving the transformation of the company's network architecture and technology strategy. In 2015, he received the "Telecommunications Engineer of the Year" award from the Official College of Telecommunication Engineers.

WEDNESDAY, JUNE 3

11:30 - 12:15 - AUDITORIUM



Cayetano Carbajo Martín
Core, Transport,
Innovation and
Ecosystem Lead.
Telefónica, ES

KEYNOTE SPEAKERS

BUILDING THE 6G/AI INTELLIGENT FABRIC FOR TOMORROW'S SOCIETY

WEDNESDAY, JUNE 3
12:15 - 13:00 – AUDITORIUM



Magnus Frodigh
Vice President and Head
of Ericsson Research.
Group Function
Technology, Ericsson
Research, SE

Chair: Ivan Seskar (WINLAB, Rutgers University, USA)

We stand at a strategic inflection point where AI, cloud and mobile technologies converge to reshape how systems sense, learn and act. This keynote presents a vision for a 6G/AI “intelligent fabric”: an open, secure and interoperable infrastructure that lets distributed, autonomous AI agents collaborate and operate at machine timescales with predictable, verifiable performance. For people, this fabric will make technology more natural, useful and safe – enabling seamless multilingual communication, personalized healthcare and education, safer and more efficient transportation, inclusive access to digital services, and everyday conveniences that preserve privacy and human agency.

Beyond raw performance, 6G will unlock new commercial models. Multi-slicing at scale, guaranteed uplink performance and enforceable SLAs will let operators monetize differentiated, premium service tiers for enterprise, public safety and consumer markets. High-value use cases include assured premium connectivity for smartphones, laptops and FWA, AR/AI wearables, and reliable links for drones, droids and autonomous vehicles. Crucially, networks will expose rich APIs that extend beyond connectivity – offering sensing, precise time synchronization, distributed compute, data and AI services – enabling ecosystems to innovate new offerings and business models.

Realizing this future demand broad international industry and academia collaboration across telecom, cloud, semiconductor, device and application sectors. As the fabric becomes critical national infrastructure, openness and standards will be essential to scale impact and maintain trust. 6G fundamentals area already being defined in standardization, yet there is a great need for research on how to deploy and evolve this open, secure and intelligent 6G/AI fabric—turning today’s strategic inflection into tomorrow’s widespread societal and economic benefits.

Dr. Magnus Frodigh is Vice President and Head of Ericsson Research. In this role he leads Ericsson’s long-term technology research organization, its close collaboration with academia and industry, and its contributions to the Ericsson business and product development.

He holds a Master of Science degree from Linköping University of Technology, Sweden, and a Ph.D. in Radio Communication Systems from the Royal Institute of Technology. He is a Fellow of the Royal Swedish Academy of Engineering Sciences (IVA).

Frodigh joined Ericsson in 1994 and has over the past three decades held various key senior positions within Research & Development and Product Management, throughout the generations of mobile technology, from 2G all the way to current research on 6G technologies. He holds 29 patents.

KEYNOTE SPEAKERS

PLANNING AND OPERATING SECURE AND RESILIENT NETWORKS

THURSDAY, JUNE 4
9:00 - 9:45 - AUDITORIUM



Carmen Mas-Machuca
Full Professor, Chair of
Communication Networks.
University of the
Bundeswehr Munich
(UniBW), Germany

Chair: Luis M. Correia (IST / INESC INOV-Lab, University of Lisbon, Portugal)

Telecommunication networks have been identified as critical infrastructure. This implies that, in addition to the classical capacity aspects, their planning and operation must address security and resilience. This talk presents critical aspects of current networks and the solutions to address them.

The first part of the talk focuses on network planning problems, taking into account security (including QKD), resilience, and sovereignty. It presents planning problems such as placing trusted nodes and combining components from different manufacturers. While most of the proposed solutions aim to minimise costs, the talk suggests considering other metrics to increase network robustness.

The talk then moves on to network operation, i.e., how to configure secure and reliable communications on a given network. Particular attention is given to QKD networks to enhance the security and availability of exchanged keys and to provide greater resilience in the event of targeted attacks (e.g., compromised devices).

The talk presents existing solutions, as well as the challenging problems that still need to be solved. Network evolution and upgrades are required, and these must be carefully optimised by applying the concepts discussed in the talk.

Carmen Mas-Machuca is a Full professor with the Chair of Communication Networks at the University of the Bundeswehr Munich (UniBW), Germany. Before she was Privat Dozent at the Technical University of Munich (TUM). Her research interests cover several topics related to the optimal network planning taking reliability, resources, service requirements, security and/or cost into account. Network planning is applied to single and multiple domains or technologies as well as to new solutions (e.g. QKD).

Prof. Mas Machuca's research is supported by several national (DFG, BMBF, DAAD) and EU funds (H2020, COST, ITN). She currently serves as a guest editor for IEEE Transactions on Network and Service Management, for OSA Journal on Optical Communications and Networking, as well as for IEEE Communications Magazine. She has authored over 300 publications and delivered invited talks at several major international conferences. She is the Chair of IEEE ONDM 2026 and Co-Chair of Optica Advance Photonic Congress (Networks). She is an active contributor to IEEE and Optica technical committees including OFC, ECOC, ONDM. She is an active Member of the IEEE Germany Section Executive Committee.

KEYNOTE SPEAKERS

WHEN NETWORKS SENSE: AI-ENABLED OPTICAL NETWORKS FOR SITUATIONAL AWARENESS AND RESILIENT INFRASTRUCTURE

Chair: Luis M. Correia (IST / INESC INOV-Lab, University of Lisbon, Portugal)

Optical fibre sensing is entering a new phase, driven by the global scale and growing strategic importance of modern optical networks. Billions of kilometres of optical fibre are already deployed worldwide for telecommunications, and this existing infrastructure offers a unique opportunity: turning communication networks into a pervasive, large scale sensing system. This keynote examines how fibre sensing technologies, once confined to niche monitoring applications, are increasingly being integrated into operational telecom networks. Their integration with network telemetry and intelligent network control is creating a new class of sensing enabled infrastructures that combine communication, monitoring, and data driven decision making at scale, enabling better situational awareness and improved resilience. The talk introduces the main classes of fibre sensing technologies and their use in applications like seismic event detection and large scale environmental monitoring. Building on these examples, it explores the growing role of artificial intelligence in fibre sensing. Machine learning techniques are becoming essential for identifying and classifying signatures derived from environmental interactions with the fibre, ranging from routine infrastructure activity to more complex maritime scenarios, illustrating our work in the detection of dark vessels using subsea cables. These cases highlight both the opportunities and the sensitivities associated with the dual use of telecom infrastructure for communication and situational awareness. Looking ahead, the talk argues that the real potential of fibre sensing lies in contextual awareness rather than isolated event detection. By combining multiple sensing modalities, including acoustic, polarization, and optical performance metrics, and enriching them with external data sources, networks can move toward higher level interpretation of events and their underlying causes. Achieving this shift, however, introduces significant challenges in terms of control, scalability, and system integration.

Marco Ruffini is Professor and Fellow of Trinity College Dublin, where he leads the OpenIreland laboratory and the Optical and Wireless Networks Research Group. His research vision focuses on transforming communication infrastructures into intelligent, adaptive and context-aware systems that seamlessly integrate optical, wireless, and cloud technologies. His work spans access-metro convergence, AI driven control and orchestration, digital twins of optical networks, and emerging quantum networking architectures. A unifying theme of his research is the evolution of networks from passive transport platforms into programmable systems capable of perceiving and responding to their environment. In recent years, Professor Ruffini's work has explored how telecom optical fibres can evolve beyond their traditional role as communication infrastructure to become large-scale sensing platforms. As Principal Investigator of the nationally funded Sea-Scan project, he investigates the use of AI-enhanced Distributed Acoustic Sensing to detect and track dark vessels, effectively transforming subsea telecom fibres into distributed maritime sensors and illustrating the dual use of optical networks for connectivity and environmental awareness. His research also extends to the protection of terrestrial infrastructure, where he studies polarization-based sensing techniques that combine DAS and State-of-Polarization measurements with machine learning to detect and mitigate physical threats. At the European level, he contributes as Principal Investigator to the ICON project, developing control plane for intent and context aware network sensing frameworks that tightly integrate perception, intelligence, and control to support more resilient and adaptive networked systems. Professor Ruffini has given several invited talks at major international conferences. He has authored over 230 publications, holds 12 patents, secured more than €15 million in research funding, and contributed to industry standards, introducing the virtual Dynamic Bandwidth Allocation (vDBA) concept adopted by the Broadband Forum.

THURSDAY, JUNE 4
9:45 - 10:30 - AUDITORIUM



Marco Ruffini
Professor and Fellow,
OpenIreland Lab &
Optical and Wireless
Networks Research
Group.
Trinity College Dublin,
School of Computer
Science and Statistics, IE

PANELS

CONNECTED INTELLIGENCE: WHEN 6G AND AI MEET

DATE AND TIME

Wednesday, June 3

15:00 - 16:30

ROOM

Auditorio 1

FYCMA, Málaga

MODERATOR

Daniel Kilper

Trinity College Dublin, IE

PARTICIPANTS



Daniel Kilper

Professor, Trinity College
Dublin & CONNECT Centre,
Ireland

MODERATOR

Prof. Kilper is the Chaired Professor of Future Communication Networks, Head of Electronic and Electrical Engineering, and Director of the Research Ireland CONNECT Centre for future networks and communications at Trinity College Dublin, Ireland. He is an adjunct faculty member at the Data Science Institute, Columbia University, New York and an adjunct professor in Optical Sciences at the University of Arizona. From 2000 to 2013 he worked in industry as a Member of Technical Staff at Bell Labs and served on the President's Advisory Council for Research. During 2020-2021 he served as a faculty appointee in the NIST Information Technology Lab. Within both academia and industry, he has made pioneering contributions in communication devices and systems research, primarily spanning three areas: energy efficient communication networks, optical performance monitoring, and AI/ML for network control and management. He has served in leadership positions in multi-university/industry centers and consortia that include the Center for Integrated Access Networks (CIAN), Center for Quantum Networks (CQN), Center for Telecommunications Value Chain Research (CTVR), Center for Energy Efficient Telecommunications (CEET), and the GreenTouch Consortium. He co-founded two startups, Palo Verde Networks and LightSensAI. He has organized workshops and served on technical program committees at numerous international conferences including CLEO/IQEC, OFC, EuCNC, INFOCOM, ICC, Globecom, ONDM, ICTON, IFIP, CLEO Europe, and COIN/ACOFT. He previously served as a topical area editor for the IEEE Transactions on Green Communications and Networking (TGCN), associate editor for JON/JOCN, and as co-chair of the Optics Working Group for the IEEE International Network Generations Roadmap (INGR). His work has been recognized with the Bell Labs President's Gold Medal and Teamwork Awards. He was recognized as a NIST Communication Technology Lab Innovator for 2019. He holds eleven issued patents and authored six book chapters and more than two hundred peer-reviewed publications.

PANELS

PARTICIPANTS



Andreas Gladisch

Deutsche Telekom, T Labs,
DE

PARTICIPANT

Dr. Andreas Gladisch has held the position of Vice President for the topic Convergent Networks & Infrastructure since 2016 at Technology Innovation. In this role, he and his team are working on novel technical approaches to promoting efficiency, quality, flexibility and speed in the networks of the future. In the context of mmWAVE networks, Andreas Gladisch is Deutsche Telekom co-chair for the project group within TIP (Telecom Infrastructure Project). He has authored or co-authored more than 120 national and international technical conference or journal papers.



Magnus Frodigh

Vice President and Head of
Ericsson Research. Group
Function Technology, SE

PARTICIPANT

Magnus Frodigh was research area director for network architecture and protocols at Ericsson Research from 2007 to 2018 with responsibility for driving long-term technology leadership research in the areas of network architecture and protocols comprising radio, transport and core networks, including network management. Dr Frodigh joined Ericsson in 1994 and has since held various key senior positions within research and development and product management, focusing on 2G, 3G, 4G and 5G technologies, and expanding collaborations between with both academia and industries. He holds 29 patents. Dr Frodigh was born in Stockholm, Sweden, in 1964. He holds a master of science degree from Linköping University of Technology, Sweden and earned his PhD in radio communication systems from Royal Institute of Technology in Stockholm, Sweden. Dr Frodigh is adjunct professor at Royal Institute of Technology in Wireless Infrastructures since 2013.

PANELS

PARTICIPANTS



Anna Tzanakaki
Univ. Athens, GR

PARTICIPANT

Anna Tzanakaki is a Professor at the National and Kapodistrian University of Athens, Greece where she is leading the “Systems and Networks” Research Group. Previously she was an Associate Professor at the Athens Information Technology (AIT) Center, Greece and an adjunct faculty member of the Information Networking Institute of Carnegie Mellon University, USA. Her research interests include network architectures and design and over the past 15 years has focused on 5G and 6G infrastructures. She has been and is actively participating in a number of EU research projects, has served as the technical coordinator of the 5G PPP projects 5G-PICTURE and 5G-VICTORI, and is currently the Project and Technical coordinator of the EU DEP projects 5G-TACTIC focusing on 5G Security. She is a co-author of over 250 publications and co-inventor of several granted and published patents. She is the recipient of the OPTICA Jane Simmons speakership award 2024 for her contribution to optical and converged network research.



Seshu Tirupathi
IBM, IE

PARTICIPANT

Dr.SeshuTirupathi is a Research Scientist at IBM Research Ireland, leading advanced AI and machine learning initiatives on EU projects such as 6G XCEL, Sunrise 6G, and MORE while collaborating with both industry and academia. With a Ph.D. from Brown University and an Master’s degree from Cornell, he focuses on foundation models, AI governance, and incremental learning, and actively mentors early career researchers through academic partnerships. His work seamlessly integrates fundamental research with real world deployment, driving transformative solutions across energy, security, healthcare, water, and communication networks.

PANELS

ARCHITECTURAL TRANSFORMATION TOWARDS 6G: STANDARDIZATION LANDSCAPE, ENABLERS, AND CHALLENGES

DATE AND TIME

Thursday, June 4
14:30 - 16:00

ROOM

Auditorio 1
FYCMA, Málaga

MODERATOR

Ömer Bulakci
Nokia, DE

PARTICIPANTS



Ömer Bulakci

Nokia, DE

MODERATOR

Dr. Ömer Bulakci is the Research & Standardization Team Leader for Core Network Architecture at Nokia Technology Standards in Germany and the Chairman of the SNS JU 6G Architecture Working Group. He led the Nokia-wide 6G program from April 2022 to March 2024 and served as the Chief System Architect – RAN at Nokia Standards from October 2023 to December 2025. He received his B.Sc. from METU, Türkiye, in 2006, his M.Sc. from TUM, Germany, in 2008, and his doctorate from Aalto University, Finland, in 2013 (formerly TKK). From 2009 to 2012, he worked on LTE-Advanced relaying at Nokia Siemens Networks in Germany in support of his doctorate. From October 2012 to February 2020, he conducted research on 5G system, contributed to EU flagship projects METIS, METIS-II (leading work package on RAN synchronous control plane), and 5G-MoNArch (leading work package on overall architecture/E2E slicing), and contributed to 5G standardization at Huawei GRC, Germany. He served as the Vice-Chairman of the 5GPPP 5G/B5G Architecture Working Group from January 2017 to December 2021, and as the Chairman from December 2021 till April 2024. He is an author/co-author of 100+ technical publications (including book chapters and book editorships), is an inventor of 220+ patent families/patent family applications and has participated in 40+ panels and invited talks. His current research interests include E2E network slicing, RAN and Core Network architecture evolution, AI-native networks, and 6G system architecture design and analysis.

PANELS

— PARTICIPANTS



Takehiro Nakamura

Chief Standardization Officer
at NTT DOCOMO, Inc, JP

PARTICIPANT

Mr. Takehiro Nakamura joined NTT Laboratories in 1990 and currently serves as Chief Standardization Officer at NTT DOCOMO, Inc. With extensive experience in R&D and standardization, he has played a pivotal role in advancing radio and network technologies—including W-CDMA, HSPA, LTE/LTE-Advanced, 5G, and 6G—while fostering inter-industry collaboration.

Since 1997, Mr. Nakamura has actively contributed to standardization activities in ARIB, ITU, and 3GPP, serving as Vice Chair and Chair of 3GPP TSG-RAN from 2005 to 2013. He has been instrumental in promoting and accelerating 5G and 6G both in Japan and globally, as a leading member of the 5G Mobile Promotion Forum, Beyond 5G Promotion Consortium, and ITS Info-communications Forum in Japan. Currently, he leads several projects on Local 5G, millimeter-wave, and 6G within the XG Mobile Promotion Forum (XGMF). He also serves as a board member of 5G-ACIA and as a sub-leader of the Human Augmentation Consortium.



Alain Mourad

InterDigital Samsung
Electronics Mitsubishi Electric
InterDigital Europe, UK

PARTICIPANT

Dr. Alain Mourad is Senior Director and Head of Wireless Labs Europe at InterDigital, where he leads advanced wireless research and innovation with a strong focus on global standardisation. He actively contributes to international research and standards bodies, shaping next-generation wireless technologies. Dr. Mourad has held senior leadership roles at InterDigital, Samsung Electronics, and Mitsubishi Electric, as well as within global organisations including ETSI and WWRF. A prolific inventor and recognised thought leader, he has received multiple industry and corporate awards. He serves on the ETSI Board and chairs the ETSI ISAC Industry Specification Group. He holds engineering and doctoral degrees in telecommunications from the University of Rennes 1 and IMT Atlantique, France.

PANELS

— PARTICIPANTS



Patrik Rugeland

Ericsson, SE

PARTICIPANT

Patrik Rugeland is a Master Researcher at Ericsson Research, Stockholm Sweden. He received his M.Sc. in engineering physics in 2009 and Ph.D. in applied physics in 2013 from the Royal Institute of Technology (KTH), Stockholm, Sweden. In 2014 he joined Ericsson Research, Stockholm and worked on standardization and concept development for LTE-Advanced and NR with a focus on radio network architecture and protocols towards 3GPP RAN2 and RAN3. In 2019, he started on 6G research and was the Technical Manager for the Hexa-X project during 2021-2022 before joining Hexa-X-II as Technical Manager during 2023-2025. He currently holds more than 90 patents in the area and is the co-editor for the 6G books 'Towards Sustainable and Trustworthy 6G: Challenges, Enablers, and Architectural Design' and '6G to Build a Sustainable Future'. He is currently the leader for the 6G-IA Vision and Societal Challenges WG.



Diego R. López

Telefonica, ES

PARTICIPANT

Dr. Diego Lopez joined Telefonica in 2011 as a Senior Technology Expert, and he is currently in charge of the Technology Exploration activities within the CDO Unit. Before joining Telefónica, Diego spent some years in the academic sector, dedicated to research on digital identity, computational intelligence and network services, and took the opportunity to earn his PhD addressing linguistic models back in 2000. He was appointed member of the High-Level Expert Group on Scientific Data Infrastructures by the European Commission. Diego is currently focused on applied research in network infrastructures, with a special emphasis on quantum communications and data infrastructures. Diego is an ETSI Fellow and chairs the ETSI Technical Committee on Data Solutions.

Apart from this, Diego is a more than acceptable Iberian ham carver, and extremely fond of seeking and enjoying comics, and good discussions on any (in)appropriate matter.

PANELS

— PARTICIPANTS



Elif Uysal

METU and FRESHDATA, TR

PARTICIPANT

Elif Uysal is a Professor in the Department of Electrical and Electronics Engineering at the Middle East Technical University (METU) and the founder of FRESHDATA Technology. She received the Ph.D. degree from Stanford University in 2003, the S.M. degree from the Massachusetts Institute of Technology (MIT) in 1999 and the B.S. degree from METU in 1997. From 2003-05 she was a lecturer at MIT, and from 2005-06 she was an Assistant Professor at the Ohio State University (OSU). Her research interests are at the junction of communication and networking theories. Dr. Uysal was elected a Fellow of IEEE in 2022 for “pioneering contributions to energy-efficient and low-latency communications”. She is a Fellow of the Asia-Pacific Artificial Intelligence Association, and of the Artificial Intelligence Industry Alliance, a recipient of the IEEE/ACM INFOCOM2026 Test of Time Paper Award, Selçuk Yaşar Award (2025), ERC Advanced Grant 2024, and named among IEEE Comsoc N2Women “Stars in Computer Networking and Communications” in 2024. Dr. Uysal received the TUBITAK BİDEB National Pioneer Researcher Grant 2020 and 2025, Young Scientist Award from the Science Academy of Turkey, IBM Faculty Award, the Turkish National Science Foundation Career Award, an NSF Foundations on Communication research grant, the MIT Vinton Hayes Fellowship, and the Stanford Graduate Fellowship. She has been serving as the Chair of the METU Parlar Foundation for Education and Research since 2022. Elif is an inventor on more than 20 patents, with emphasis on Non-Terrestrial Networks (NTN), has served on the editorial boards of the IEEE/ACM Transactions on Networking, the IEEE Transactions on Wireless Communication, and IEEE Trans. on Information Theory.



PANELS

SUSTAINABILITY IN 6G BUSINESS

DATE AND TIME

Friday, June 5

11:00 - 12:30

ROOM

Auditorio 1

FYCMA, Málaga

MODERATOR

Marja Matinmikko-Blue

Univ. of Oulu / 6G Flagship, FI

PARTICIPANTS



Marja Matinmikko-Blue

Univ.Oulu/6G Flagship, FI

MODERATOR

Marja Matinmikko-Blue is Director of Sustainability and Regulation at 6G Flagship and Research Director of Infotech at the University of Oulu, Finland. She has a Doctor of Science degree in communications engineering and a Doctor of Philosophy degree in industrial engineering and management from the University of Oulu. She has been conducting interdisciplinary research into the technical, business, and regulatory aspects of future mobile communication systems in close collaboration with industry, academia, and regulators for over two decades. She has represented Finland in the global IMT-2030 work in UN based ITU-R to introduce sustainability. She has published 200+ scientific papers and prepared 200+ contributions to regulatory bodies at national, European and international levels.

PANELS

PARTICIPANTS



Christoph Schmelz

Nokia, DE

PARTICIPANT

Christoph Schmelz is a Principal Research Lead at Nokia in Munich. He is coordinating the Horizon Europe SNS-JU Sustainability Lighthouse project SUSTAIN-6G which aims at defining a framework for integrating 6G technology and vertical use cases towards improving sustainability in all 3 pillars – environmental, societal, and economic. Christoph has more than 20 years of work experience as researcher and project manager in mobile networks at Siemens and Nokia, with the focus areas of network and service automation, network management architecture, mobile network architecture and sustainability. He has been in lead positions in multiple international research projects such as 5G-MoNArch (H2020) and SEMAFOUR (FP7). Christoph holds a Dipl.-Ing. degree from TU München.



Henning Breuer

Media Univ. Applied Sciences,
DE

PARTICIPANT

Henning Breuer consults, researches, and teaches in the fields of innovation management and business psychology. He is a Professor for Business and Media Psychology at Media University of Applied Sciences and founder of UXBerlin – Innovation Consulting. Since 2001, Henning has worked with multinational corporations, SMEs, public organisations, and start-ups, providing consulting on sustainable innovation culture and business models, future scenarios, and ethnographic stakeholder research. Henning co-authored numerous journal and conference publications and books on Sustainable Innovation Cultures, Sustainable Business Model Design, Gamification for Innovators & Entrepreneurs and Values-Based Innovation Management, and. As a visiting researcher and professor, he has worked at the University of Chile (Santiago) and Waseda University (Tokyo). Before, he studied psychology, philosophy, and law in Berlin and Tübingen, and received his PhD in Psychology from the University of Magdeburg.

PANELS

— PARTICIPANTS



Dag Lundén
Ericsson, SE

PARTICIPANT

Dag Lundén is a Master Researcher at Ericsson Research with a background as environmental manager and Senior environmental and energy expert within Telia Company. He has more than 40 years of professional experience from the telecommunication industry and has in addition, as part time researcher, authored several well cited scientific articles addressing the ICT sectors energy and environmental impacts and challenges. He joined Ericsson in 2025, now focusing entirely on Energy and Environmental research. Dag holds a M.Sc. in Land Surveying, planning and Development from The Royal Institute of Technology (KTH).



Eric Hardouin
Orange research

PARTICIPANT

Eric Hardouin leads the Orange research on Networks and Infrastructures, which aims at designing the future mobile, fixed and Home network technologies and infrastructures. Eric received his Ph.D. degree in signal processing and telecommunications from Telecom Bretagne and the University of Rennes 1, France, in 2004. Since then he has been with Orange, where he has been involved in research, standardization and international cooperation activities on future mobile networks, including in 3GPP RAN1 & RAN Plenary, NGMN and French and European research projects. Since 2016, Eric is in charge of the Orange Research on future networks, including mobile, fixed and Home networks. Eric currently represents Orange in the Board of Directors of the IOWN Global Forum, and participates in the Board of Directors of NGMN as alternate to the chairman. Eric is a member of the Scientific Council of the Centrale-Supelec research and teaching institute. Eric is the author of the book “LTE et les réseaux 4G” (in French). Eric is an Orange Fellow.

WORKSHOPS

SCHEDULE

All workshops will be held on Tuesday, June 2, in morning and afternoon sessions

MORNING SESSION · BLOCK I

09:00 – 10:30

- | | |
|---------------------|---------------------------|
| WS1 NTN 6G | WS5 Security |
| WS2 ISAC | WS6 Data Platforms |
| WS3 TMV | WS7 Agentic AI |
| WS4 Hardware | WS8 Sustainability |

MORNING SESSION · BLOCK II

11:00 - 12:30

- | | |
|---------------------|---------------------------|
| WS1 NTN 6G | WS5 Security |
| WS2 ISAC | WS6 Data Platforms |
| WS3 TMV | WS7 Agentic AI |
| WS4 Hardware | WS8 Sustainability |



10:30 – 11:00 · Coffee Break & Exhibition · 12:30 – 14:00 · Lunch Break

AFTERNOON SESSION · BLOCK III

14:00 – 15:30

- | | |
|----------------------------|-----------------------------|
| WS9 AI-Native | WS13 Resilience |
| WS10 THz | WS14 Trials & Pilots |
| WS11 Sustainability | WS15 Neuromorphic |
| WS12 NDT | WS16 Intl. AI |

AFTERNOON SESSION · BLOCK IV

16:00 – 17:30

- | | |
|----------------------------|-----------------------------|
| WS9 AI-Native | WS13 Resilience |
| WS10 THz | WS14 Trials & Pilots |
| WS11 Sustainability | WS15 Neuromorphic |
| WS12 NDT | WS16 Intl. AI |



15:30 – 16:00 · Coffee Break & Exhibition

WORKSHOPS

ROOM LAYOUT

Room	Morning (WS 1–8)	Afternoon (WS 9–16)
Conf. 2 (2.1)	WS1 NTN 6G	WS16 Intl. AI
Conf. 2 (2.2)	WS2 ISAC	WS14 Trials & Pilots
Sala 1	WS3 TMV	WS9 AI-Native
Sala 2	WS4 Hardware	WS10 THz
Sala 3	WS5 Security	WS15 Neuromorphic
Sala 4	WS6 Data Platforms	WS12 NDT
Dirección de Certámenes	WS7 Agentic AI	WS13 Resilience
Sala 6	WS8 Sustainability	WS11 Sustainability



WORKSHOPS

DETAILED WORKSHOP SCHEDULE

Speakers, group work, and presentations for each session · Tuesday, June 2, 2026

1

Morning · 09:00–12:30

6G non-terrestrial networks: from theory to practice – Moving towards in-orbit 6G experiments

Sala de Conferencias 2 (2.1)

Technical Programme Committee

- Adam Kapovits · Eurescom GmbH
- Maria Guta · ESA
- Akihiro Nakao · Univ. of Tokyo, JP
- Tomaso de Cola · DLR
- Marius Corici · Fraunhofer FOKUS
- Armin Dekorsy · Univ. of Bremen
- Engin Zeydan · CTTC
- Babak Mafakheri (Safran Passenger Innovations,)
- Matteo Pagin · Keysight Technologies Denmark
- Konstantinos Ntontin · Univ. of Luxembourg
- Cicek Cavdar · KTH

Submitted projects - Block I

Keynote: NTN research in Japan and collaboration opportunities

[Akihiro Nakao \(Univ. of Tokyo, JP\)](#)

5G-STARDUST: The functional Validation of 5G-NTN in Lab

[Tomaso de Cola \(DLR\)](#)

1

NTN for Verticals: the NexaSphere perspective towards PoC Demonstrations
[Babak Mafakheri \(Safran Passenger Innovation\)](#)

ORAN-based 6G NTN networks: the perspective of UNITY-6G
[Engin Zeydan \(CTTC\)](#)

6G-SANDBOX: Running 5/6G NTN experimentation
[Matteo Pagin\(Keysight Technologies\)](#)

SNS JU ETHER Final Showcase: Demonstrating Sustainable 3D Terrestrial-Non-Terrestrial Networks for Future 6G Services
[Konstantinos Ntontin \(University of Luxembourg\)](#)

Submitted projects - Block II

Implementing Handover Alternatives for TN-NTN Service Continuity
[Marius Corici \(Fraunhofer FOKUS\)](#)

Unified 3D Networks - Results and New Activities of the German 6G Research Initiative
[Professor Armin Dekorsy \(University of Bremen\)](#)

Direct-to-Device 5G Non Terrestrial Networks for Broadcast: Early Findings from 5G EMERGE and Market Outlook
[Esa Romppainen \(MediaTek\)](#)

SkyPhi D2D mission
[James Patrick Kirrane \(MDA Space UK\)](#)

An overview of the current NTN research activities and plans in Sweden
[Professor Cicek Cavdar \(KTH SMART 6GSAT\)](#)

1

WORKSHOPS

2

Morning · 09:00–12:30

Second Workshop on Integrated Sensing and Communications initiatives on the European research framework

Sala de Conferencias 2 (2.2)

Technical Programme Committee

- Antonio de la Oliva (Univ. Carlos III de Madrid, ES)
- Henk Wymeersch (Chalmers Univ. of Technology, SE)
- Renato Lo Cigno (Univ. of Brescia, IT)
- Christos Oikonomopoulos (IMST GmbH, DE)
- Haibin Zhang (TNO, NL)
- Mario H. Castaneda García (Huawei Technologies Duesseldorf GmbH, DE)
- Israel Koffman (RunEL, ES)
- Eric, Klumperink (Univ. in Enschede, NL)
- Angeliki Alexiou (Univ. of Piraeus, GR)
- Jesús Gutierrez (IHP GmbH,)
- George C. Alexandropoulos (National and Kapodistrian Univ. of Athens, GR)
- José A. Lázaro (UPC-BarcelonaTech, ES)
- Padmanava Sen (Barkhausen Institut gGmbH, DE)
- Ljupco Jorguseski
- Daniel Martini (IMST GmbH, DE)

2

Panel 1 - PHY-Layer Research

Moderated by Jesús Gutiérrez (IHP)

Focused on fundamental sensing-communication integration at the physical layer and signal processing aspects:

- INSTINCT-Angeliki Alexiou (University of Piraeus)
- 6G-DISAC - Henk Wymeersch (Chalmers University of Technology)
- 6G-MUSICAL - Izzat Darwazeh (University College London)
- 6G-EWOC - J. A. Lázaro (UPC-BarcelonaTech)
- iSEE-6G - C. Oikonomopoulos (IMST GmbH)
- DISCO-6G - Marco Canil (IMDEA Networks)
- 6G-SENSES - Jesús Teheran Gutiérrez (IHP)
- TERRAMETA - George C. Alexandropoulos (National and Kapodistrian University of Athens)

2

Panel 2 - Demonstrations and Trials

Moderated by Antonio de la Oliva (UC3M)

Showcasing real-world experimentation, validation platforms, and trial results for ISAC technologies:

- OPTI-6G - Israel Koffman (RunEL)
- 6G-REFERENCE -> Marc Bauduin (IMEC)
- 6G-MUSICAL - Izzat Darwazeh (UCL)
- 6G-INTENSE- Renato Lo Cigno (University of Brescia)
- INSTINCT - Padmanava Sen (Barkhausen Institut)
- MultiX - Juan Brenes (Nextworks)
- 6G-SENSES - Jesús TeheranGutiérrez (IHP)

2

WORKSHOPS

Panel 3 - Architectural and Management Perspective

Moderated by Xi Li (NEC)

Addressing system-level design, network architecture evolution, and management aspects for ISAC-enabled 6G networks:

- 6G-REFERENCE - Marc Bauduin (IMST GmbH)
- 6G-INTENSE - Renato Lo Cigno (University of Brescia)
- MultiX -> Vincenzo Sciancalepore (NEC)
- Amazing-6G - Haibin Zhang (TNO)
- 6G-SENSES -> Jesús Teheran Gutiérrez (IHP)
- iSEE-6G - C. Oikonomopoulos (IMST GmbH)
- XTREME-6G - Daniel Martini (IMST GmbH)

2

Panel 4 - Standardization and the Operator's View

Moderated by Sebastian Robitzsch (InterDigital)

Focusing on standardization progress, industrial alignment, and operator requirements: Panelist:

- Mario Castañeda (Huawei)
- Ljupco Jorguseski (TNO)
- Cagri Etemoglu (Turk Telekom)
- Giyyarpuram Madusudan (Orange)
- Cristina Ciochina (Mitsubishi)

2

3

Morning · 09:00–12:30

Rethinking Test, Measurement, and Validation for 6G Networks

Sala 1

Technical Programme Committee

- Michael Dieudonné (Keysight Technologies Belgium BV)
- Anastasios Gavras (EURESCOM)
- Ioanna Mesogiti (OTE- Hellenic Telecommunication Organization)
- Ioannis Patsouras (WINGS -ICT-SOLUTIONS)

3

1. Introduction to Test Measurement and Validation in 6G

Michael Dieudonné (Keysight Technologies)

Setting the scope and objectives of the workshop, with reference to the 6G Standards and SNS JU context.

2. 6G Performance, Technologies, Capabilities and their Impact on Testing and Validation

Matteo Pagin (6G-SANDBOX), Luis Cordeiro (6G-PATH), Anna Tzanakaki (5G-TACTIC)

Thematic focusing on the impact -on TMV- of the architectural and operational complexity in 6G, the extreme 6G KPIs, the AI-native operation, the convergence of communication and sensing, and the assurance of security, including challenges faced and limitation of existing TMV approaches. Results and experiences shared from R&D projects' activities on TMV of KPIs, lessons learned, identification of gaps and further research on TMV aspects.

3

WORKSHOPS

3. AI-Native 6G - TMV Challenges and Novel Methodologies

Israel Koffman (OPTI6G), Andreas Gavrielides (6G-XCEL)

With view to non-deterministic behavior and AI-enabled functions in 6G, thematic focusing on 1. TMV methods across 6G deployment, configuration, optimization, and runtime, 2. approaches in Benchmarking and validating AI-driven network functions, 3. explainability, robustness, and reproducibility of results in AI-driven 6G networks, 4. results, comparison and reuse.

4. Emerging 6G Technologies and Novel TMV Frameworks

Jesús Gutiérrez (6G-SENSES, Multi-X), Andreas Gavrielides (I-See6G), Jose Antonio Lazaro (6G-EWOC)

Thematic focusing on TMV frameworks, including tools and methodologies to test 6G new capabilities like RIS, ISAC, digital twins, advanced measurement setups and experimentation environments, Cross-layer and cross-functional TMV frameworks etc.

3

5. Data Collection and Data Reusability for TMV

Michael Dieudonné (TMV Data Reusability WG chair)

Presentations related to current state of the work TMV around data collection and curation, for reproducibility and comparability of performance results.

6. KPI to KVI transformation

Michalis Rantopoulos (6G-BRICKS), Luis Cordeiro (joint presentation from SUSTAIN 6G, DESIRE-6G, 6G-PATH and 6G-SANDBOX)

Presentation opening up the discussion if KVI be extracted from KPI?

7. Discussion on Roadmap and Way Forward

Moderated by Anastasios Gavras and Michael Dieudonné

Open Discussion focusing on key takeaways and identified best practices, recommendations for SNS JU projects' TMV activities, next steps toward sustainable 6G TMV frameworks.

3

4

Morning · 09:00–12:30

Microelectronics and Photonics Hardware Challenges and Solutions towards 6G

Sala 2

Technical Programme Committee

- Luís Manuel Pessoa, Univ. Porto/INESC TEC
- Eric Klumperink, Univ. Twente
- Alexios Birbas, University of Patras
- Ioannis Tomkos, University of Patras
- Bernard Barani, 6G-IA

4

Keynote - How microelectronics unleashes the potential of 6G systems

Fredrik Tillman - Ericsson

Session I - Enabling Hardware Technologies and Integration

- Time-modulated arrays for multi-beam MIMO - 6G-REFERENCE / ETH Zurich
- Low-power 60 GHz RF front-ends for ISAC - 6G-SENSES / IHP
- Novel bonding strategies and on-chip metasurfaces for D-band arrays - TERRAMETA / CEA-Leti
- Heterogeneous integration and packaging enabled by EM simulations - X-TREME6G / Fraunhofer IZM
- Design of ultrabroadband MMICs using III-V technologies - UCL

4

WORKSHOPS

Session II - Microelectronics and Photonics Platforms for 6G

- Active devices: photonics and electronics characterisations - TIMES / Univ. Lille
- Photonic technologies for 6G fronthaul and optical wireless - 6G-EWOC / AIT
- Integrated frontend for optical communications towards 200 Gbaud - X-TREME6G / KIT
- Photonic-enabled 2D antenna arrays for 6G transceivers - TERA6G / UC3M
- Merging photonics & electronics ICs for ultra-high data rate transceivers - FLEX-SCALE & PROTEUS / PICADVANCED

4

Panel Discussion

Focus on:

- Hardware bottlenecks for 6G systems
- Electronics-photonics co-design challenges
- Alignment between SNS JU, Chips JU, and pilot lines

4

5

Morning · 09:00–12:30

Is there anything new on Security for 6G Networks?

Sala 3

Technical Programme Committee

- Antonio Skarmeta - UMU
- Dhouha Ayed - Thales
- Edgardo Montes de Oca - Montimage
- Antonios Lalas - ITI
- Maxime Compastie - I2CAT
- Mir Ghoraihi - Gigasys Solutions
- Xavier Masip Bruin - UPC
- Engin Zeydan - CTTC
- Manuel Gil Pérez - UMU
- Shuaib Siddiqui - I2CAT
- Spyridon Georgoulas - Demokritos

5

Introduction / Welcome

Welcome, Setting Scene and short presentation of the Security WG white paper, 6G-IA Security WG

Antonio Skarmeta, Chair 6G-IA Security WG (15 mins)

Keynote: From Exploratory Research to the First 6G Standard: What will be new in security?

Challenges in 6G security standardization
Emrah Tomur - Nokia (20 mins)

Session 1: Towards Security (15 min each)

- Security Programmability for Policy Enforcement Assurance - Maxime Compastie, i2CAT Research Centre, Spain (Project iTrust6G)
- LLM-Enhanced Explainable Network Monitoring and CTI Reporting - Wissam Mallouli, Montimage, France (Project ENSURE-6G)
- Trust-as-a-Service in 6G Resource Management and AI/ML Orchestration using DLT: Opportunities and Challenges

5

WORKSHOPS

- Engin Zeydan and Farhana Javed, CTTC - Centre Tecnològic de Telecomunicacions de Catalunya, Spain* (Project UNITY-6G)
- Net-Zero self-adaptive activation of distributed self-resilient augmented services - [Antonios Lalas](#), CERTH/ITI, Greece (Project NETWORK)

Session 2: New research area for 6G Security (15 min each)

- Cyber-physical threat detection and mitigation in 6G-enabled IoT environments: From use cases to security pillars
- José María Jorquera Valero, University of Murcia, Spain* (Project ROBUST-6G)
- Softwarizing security provisioning in 6G ecosystems

5

- [Xavier Masip Bruin](#) Universitat Politècnica de Catalunya, Spain* (Project MARE)
- AI/ML support for secure and distributed computing in the Continuum
- [Antonio Skarmeta](#), University of Murcia, Spain* (Project 6G CLOUD)
- AI-Enabled User-Centric Trustworthiness Provision - [Harilaos Koumaras](#), NCSR "DEMOKRITOS", Greece (Project SAFE-6G)
- Orchestration of confidential workload on edge-cloud continuum - [Dhouha Ayed](#), Thales; [Rajat Kandoi](#), Ericsson (Project ELASTIC)

Concluding Remarks

- [Dhouha Ayed](#), 6G-IA Security WG co-chair (10 mins)

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6

Morning · 09:00–12:30

Data Platforms for Advanced AI-native Networks: 6G Data Space, DataOps, MLOps, Dataset Generation & Curation

Sala 4

Technical Programme Committee

- Prof. Ch. Verikoukis (ISI/ATHENA)
- Dr. V. Theodorou (INTRACOM)
- Dr. A.Z.Hindi (Luxembourg Institute of Science and Technology)
- Dr. Ch. Murphy (VIAVI Solutions)
- Dr. L.Conteras (Telefónica I+D)
- Mr. G. Bernini (NEXTWORKS)
- Dr. L.Cordeiro (One Source)
- Dr. K. Ramantas (IQUADRAT INFORMATICA)
- Prof. A. Ksentini (EURECOM)
- Prof. D. Kliper (Trinity College)
- Dr. A.Lalas (CERTH)
- Dr. I. Chochliouros (OTE)
- Dr. L.Birguglio (CyberEthics)
- Dr. J. Vardakas (IQUADRAT)

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WORKSHOPS

6G-DALI: Building the Pan-European 6G Dataspace.

Prof. Ch. Verikoukis (ISI/ATHENA)

DataOps for Next Generation Telecom Systems: Data Curation, Data Quality Management and Governance in the AI era

Dr. V. Theodorou (INTRACOM Telecom)

Towards a data space for 6G network digital twins: defining data taxonomy and data models

Dr. A.Z.Hindi (Luxembourg Institute of Science and Technology)

Data for RAN - how data spaces and digital twins realise autonomous network management

Dr. Ch. Murphy (VIAVI Solutions)

Automated Network Diagnosis Data Generation

Dr. L.Conteras (Telefonica I+D)

MLOps for a Fragmented 6G Ecosystem: Enabling AI Interoperability for data generation

Mr. G. Bernini (NEXTWORKS)

The challenges in implementing a data management plan in large-scale trials and pilots

Dr. L. Cordeiro (One Source)

AI Federation for collaborative AI data generation research in 6G

Dr. K. Ramantas (IQUADRAT INFORMATICA)

On using NWDAF for MLOps: The 6G-INTENSE's vision

Prof. A. Ksentinit (EURECOM)

In network data management and control for decentralised multi-network AI

Prof. D. Kliper (Trinity College)

NATWORK Data Management Platform: A Federated Data Repository for Boosting AI-Powered 6G Security

Dr. A.Lalas (CERTH)

Building the Trustworthy 6G Data Space: SAFE-6G Innovations in DataOps, MLOps and Explainable AI

Dr. H.Koumaras (NCSR DEMOKRITOS)

Governing the ethical design of 6G: from principles to requirements

Dr. L.Birguglio (CyberEthics)

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WORKSHOPS

7

Morning · 09:00–12:30

Agentic AI and Agentic Networking for Next-Generation Computer Networks

Dirección de Certámenes

Technical Programme Committee

- Badii Jouaber, Institut Mines Telecom
- Carlos Jesus Bernados, Universidad Carlos III de Madrid
- Chrysa Papagianni, University of Amsterdam
- Dan Kilper, Trinity College Dublin
- Davit Harutyunyan, Aigentifyable, Bosch
- Dimitris Pliatsios, University of Western Macedonia
- Farhad Rezazadeh, Hostelworld, BrainOmega, UPC
- Hakima Chaouchi, Institut Mines Telecom
- Luigi Iannone, Huawei Technologies France
- Matteo Zecchin, EURECOM, France
- Mir Ghoraiishi, Gigasys Solutions, United Kingdom
- Sebastian Robitzsch, InterDigital Europe Ltd
- Shirin Goshtasbpour, SDSC ETH Zurich
- Shuping Peng, Huawei Technologies Co., Ltd
- Thomas Lagkas, Democritus University of Thrace
- Jim Mozley, Infoblox

7

Welcome

By workshop moderator (5 mins)

First Session

Keynote: Overview of the Focus Group on AI-Native Networks

Riccardo Trivisonno, Chair of ITU-T FG AINN (25 min + 5min Q&A)

Invited Talk 1: Data as the Foundation for Growing Value

Lucía Cabanillas Rodríguez (Telefónica Innovación Digital) (12 min + 3 min Q&A)

Invited Talk 2: Challenges and Opportunities on Agentic Networking for AI Agents in 6G

Dr Sebastian Robitzsch (InterDigital Europe Ltd) (12 min + 3 min Q&A)

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WORKSHOPS

Second Session

Invited Talk 3: From Architecture to Deployment: Supporting Agentic AI Use Cases in Distributed 6G Networks

Merim Dzaferagic (Trinity College Dublin, Ireland) (12 min + 3 min Q&A)

Invited Talk 5: Agentic AI Networks: From Reactive Automation to Autonomous Intelligence

Dr Davit Harutyunyan (Aigentifyable) (12 min + 3 min Q&A)

Invited Talk 6: Nokia Views on Agentic AI

Takai Kennouche (Nokia) (12 min + 3 min Q&A)

Invited Talk 4: Collaborative Multi-Agent Systems for Self-Healing Transport Networks using TeraFlowSDN

Ricard Vilalta (CTTC) (12 min + 3 min Q&A)

Panel Discussion on Agentic AI and Agentic Networking

20 min + 10min Q&A

Lessons learned and the way forward for Agentic AI in Computer Networks

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8

Morning · 09:00–12:30

Sustainability in 6G: E2E integration and assessment

Sala 6

Technical Programme Committee

- Mattia Merluzzi (CEA-Leti)
- Christoph Schmelz (Nokia)
- Anastasius Gavras (Eurescom)
- Pooja Mohnani (Eurescom)
- Andrea Di Giglio (Telecom Italia)
- Luis Cordeiro (OneSource)
- Antonios Lalas (ITI)
- Sanna Tuomela (University of Oulu)
- Mays Al-Naday (university of Essex)
- Mir Ghoraihi (Gigasys Solutions)
- Marja Matinmikko-Blue (University of Oulu)
- Luigi Briguglio (CyberSocial Lab)
- Stefan Wendt (Orange Labs)
- Tobias Hossfeld (University of Würzburg)
- Haesik Kim (VTT)

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WORKSHOPS

Session 1: Sustainability dimensions, vertical use cases and evaluation - (90 minutes)

Welcome and Introduction to the Workshop

Mattia Merluzzi (5 minutes)

Keynote speech: Technology challenges and key drivers for Sustainable 6G by Design

Christoph Schmelz (Nokia Germany) (20 minutes)

Presentation 1: 6G Verticals for Sustainability

Haesik Kim (VTT, Finland), Sanna Tuomela (University of Oulu, Finland), Luis Cordeiro (OneSource, Portugal) (30 minutes)

Contributing projects: AMAZING-6G, 6G-PATH, 6G-VERSUS

Presentation 2: Sustainability Evaluation Framework with a focus on Energy Efficiency

Tobias Hossfeld (University of Würzburg, Germany) and Fariha Mawla (University of Würzburg, Germany) (20 minutes)

Contributing projects: CELTIC-Next Flagship project SUSTAINET

Presentation 3: Sustainability KPIs in multi-domain 6G ecosystems

Mays AL-Naday (University of Essex) (15 minutes)

Contributing projects: NETWORKS

Coffe Break - (10 min)

Session 2: Key values, social acceptance, and operator perspectives- (90 mins)

Presentation 4: Sustainability Values and Key Value Indicators: the "SNVC KVI method"

Marja Matinmikko-Blue (University of Oulu, Finland), Stefan Wunderer (Nokia, Germany), Katrina Petersen (PSC Europe) (15 minutes)

Presentation 5: Social Acceptance as a Framework for 6G Societal Sustainability

Luigi Briguglio (CyberSocial Labs, Italy) (15 minutes) Contributing projects: SUSTAIN-6G

Presentation 6: Network Design-to-Impact: Sustainable Innovation and Digital Responsibility in Future Telecommunications

Stefan Wendt (Orange Labs, France) (15 minutes)

Panel Discussion: How to weight and prioritize conflicting sustainability needs?

Moderator: Andrea Di Giglio (TIM) (45 min)

Panelists:

- Stefan Wendt (Orange Labs)
- Claudia Chiavarino (Istituto Universitario Salesiano Torino Rebaudengo)
- Luigi Briguglio (CyberSocial Labs)
- Sanna Tuomela (University of Oulu)
- Vincent Audebert (Electricité de France - EDF)

WORKSHOPS

9

Afternoon · 14:00–15:30

Bridging Research, Software and Standards towards AI-Native networks

Sala 1

Technical Programme Committee

- Dimitris Tsolkas
- Silvia Almagia
- Christos Tranoris
- Ricard Vilalta
- Ramón Agüero
- Ioana Dragus
- Souvik Paul
- Ioana Dragus
- Andreas Gavrielides
- Ioana Dragus
- George Makropoulos
- Ioana Dragus
- Giacomo Bernini
- Ioana Dragus
- Mohammed al-rawi
- Ioana Dragus
- Antonio Skármeta
- Ioana Dragus
- Maria Serrano

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Session 1: Software and standards for AI-native networks

Workshop introduction / welcome

Dimitris Tsolkas and Silvia Almagia

Invited talk 1

Dr Paul Harvey - School of Computing Science, University of Glasgow and vice-chair of ITU-T Focus Group AINN

Invited talk 2

Dr. Ricard Vilalta - Centre Tecnològic de Telecomunicacions de Catalunya

Invited talk 3

Dr. Mikko A. Uusitalo - Nokia Bell Labs Finland Site Lead

Invited talk 4

Ioana Dragus - Realworld Eastern Europe, Bucharest, Romania

Session 2 - Research & innovation project results

Advances in AI/ML Lifecycle Management and Agentic Communications

AI/MLOps for AI-native 6G networks

Giacomo Bernini (Nextworks).

Agentic AI and Agentic Communications

Christos Tranoris (University of Patras/ p-NET)

AI/ML for Networks and Services

AI for service orchestration

Maria A. Serrano (Nearby Computing SL)

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WORKSHOPS

Security-oriented AI/ML applications

Dr. Harilaos Koumaras (NCSR "Demokritos")

Demos

Demo 1

Vito Cianchini, UNITY-6G

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Demo 2

Andreas Gavrielides, 6G-XCEL

Closing remarks

Dimitris Tsolkas and Silvia Almagia

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Afternoon · 09:00–12:30

Fourth International Workshop on Wireless Communications in Terahertz (IWCT)

Sala 2

Technical Programme Committee

- Kenta Umabayashi (Tokyo University of Agriculture and Technology, Japan)
- Nuutti Tervo (University of Oulu, Finland)
- Joonas Kokkonen (University of Oulu, Finland)
- Takuji Arima (Tokyo University of Agriculture and Technology, Japan)
- Claude Desset (IMEC, Belgium)
- De Guzman Mar Francis, (Aalto University, Finland)
- Minoru Fujishima (Hiroshima University, Japan)
- Suguru Kameda (Hiroshima University, Japan)
- Kosuke Katayama (National Institute of Technology, Tokuyama College, Japan)
- Pekka Kyösti (Keysight Technologies, Finland)
- Janne Lehtomäki (University of Oulu, Finland)
- Marko E. Leinonen, (University of Oulu, Finland)
- Ahmad Nimr (Vodafone Chair Mobile Communications, Systems, Germany)
- Aarno Pärssinen (University of Oulu, Finland)
- Kimmo Rasilainen (University of Oulu, Finland)
- Liesbet Van der Perre (KU Leuven, Belgium)

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WORKSHOPS

Session 1: THz Fundamentals & Technologies

Chair: Nuutti Tervo (90 min)

Opening words

Kenta Umebayashi

Introduction of session 1 & keynote

Nuutti Tervo

1st Keynote: Towards Highly Efficient Wireless Communications at sub-THz

Prof. Nuria Llombart, Delft University of Technology (25min + 5min Q/A)

Technical Talks

- Optical THz Technologies from TERA6G project
- Prof. Guillermo Carpintero, Universidad Carlos III de Madrid (15min + 5min Q/A)
- Towards Energy-Efficient Terahertz Wireless Communications with Low-Resolution ADCs
- Prof. Kenta Umebayashi, Tokyo University of Agriculture and Technology (15min + 5min Q/A)
- Development of Adaptive BeamSpace Method in Sub-THz band
- Prof. Yuji Tanaka, Prof. Nobuyoshi Kikuma, Prof. Yoshiki Sugimoto, Prof. Kunio Sakakibara (15min + 5min Q/A)

Session 2: THz Systems & 6G Applications

Chair: Joonas Kokkonemi (90 min)

Opening session 2 & introducing the keynote

Joonas Kokkonemi

Keynote: Terahertz Wireless Communications for Beyond 5G/6G: Long-Distance High-Capacity Transmission Systems

Prof. Tetsuya Kawanishi, Waseda University, Tokyo (25min + 5min Q/A)*

Technical Talks

- Benefits of millimeter and Sub-THz frequency operations in 6G
- Prof. Marko Leinonen, University of Oulu (15min + 5min Q/A)
- Wavefront Engineering with Phased Arrays: Necessity and Feasibility
- Prof. Koji Ishibashi (15min + 5min Q/A)
- SubTHz metasurfaces and their applications from TERRAMETA project
- Prof. George C. Alexandropoulos, National and Kapodistrian University of Athens (15min + 5min Q/A)

Closing words

Kenta Umebayashi

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WORKSHOPS

11

Afternoon · 09:00–12:30

Sustainable by Design, Sustainable in Operation: The 6G Perspective
Sala 6

Technical Programme Committee

- Harilaos G. Koumaras (Demokritos)
- Luis Cordeiro (OneSource)
- Francesca Costanzo (CEA)
- Sébastien Faye (LIST)
- Jeroen Famaey (imec)
- Antonios Lalas (ITI)
- Jesus Gutierrez Teran (IHP)
- Artur Hecker (Huawei)
- Sanna Tuomela
- Mays Al-Naday (university of Essex)
- Tomaso de Cola (DLR)
- Mattia Merluzzi (CEA)
- Christoph Schmelz (Nokia)
- Anastasius Gavras (Eurescom)
- Andrea Di Giglio (Telecom Italia)
- Fariborz Entezami (Gigasys Solutions)
- Ayat Zaki Hindi (LIST)
- Rui Aguiar (Institute Telecommunication Aveiro)
- Katrina Petersen (PSC Europe)
- Daniel Kilper (Trinity College Dublin)
- Mir Ghoraishi (Gigasys Solutions)

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WORKSHOPS

Welcome and Introduction to the Workshop

Mir Ghoraishi, Christoph Schmelz (5 min)

Session 1 - (90 mins)

Presentation 1: Goal-Oriented and Digital-Twin-Driven Approaches to Sustainable 6G Networks

Ayat Zaki Hindi (Luxemburg Institute of Science and Technology) (20 min)
Contributing Projects: 6G-GOALS, 6G-TWIN

Presentation 2: Multi-Layer Sustainability in 6G: From Energy-Neutral Devices to Human-Centric and TN-NTN Networks

Jeroen Famaey (IMEC) (20 min)
Contributing Projects: AMBIENT-6G, 6G-SENSES, NexaSphere

Presentation 3: Operational Sustainability in 6G through Trust, Orchestration, and Trustworthy AI

Harilaos G. Koumaras (Demokritos) (20 min)
Contributing Projects: SAFE-6G, SUSTAIN-6G, iTrust6G

Presentation 4: Green Orchestration and Energy-Aware AI

Artur Hecker (Huawei Munich Research Centre) (20 min)
Contributing Projects: EXIGENCE, NETWORK, ECO-eNET

Coffe Break - (10 min)

Session 2 - (90 min)

Keynote: For the Long Run: Telecom in a Changing Ecosystem

Prof Rui Aguiar (Institute Telecommunication Aveiro) (25 mins)

Presentation 5: From Testbeds to Impact: Assessing Operational Sustainability in 6G Networks

Luis Cordeiro (One Source) (20 min)
Contributing Projects: 6G-PATH, 6G-VERSUS

Panel Discussion: Beyond Greenwashing: What Does Sustainable 6G Really Mean?

Moderated by Dr Mir Ghoraishi (Gigasys Solutions) (45 min)

Panelists:

- Prof Rui Aguiar (Institute Telecommunication Aveiro)
- Prof Maziar Nekovee (University of Sussex)
- Dr Anastasias Gavras (Eurescom)
- Dr Katerina Peterson (PSC Europe)
- Chiara Mazzone (SNS) - TBC
- Dr Christophe Schmelz (Nokia) Structure:
- Opening talk

Chiara Mazzone (SNS) (10 min)

- Position statements

(10 min)

- Discussions and Q/A

(25 min)

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WORKSHOPS

12

Afternoon · 09:00–12:30

Advancing Network Digital Twins (NDTs) for AI-driven 6G systems: Insights, applications, and cross-project synergies

Sala 4

Technical Programme Committee

- Sébastien Faye (LIST)
- Régis Decorme (R2M)
- Michael Dieudonne (Keysight Technologies)
- Javier Nuñez Fuente (Telefonica)
- Jose M Alcaraz Calero (Aston University)
- Xavi Masip (UPC)
- Nikos Dimitriou (NCSR "Demokritos")
- Chrysa Papagianni (University of Amsterdam)
- Giovanni D'Amore (Keysight Technologies)
- Pavlos Basaras (ICCS)
- Dr. Carlos Guimaraes (SIEM)
- Prof. Adlen Ksentini (EURECOM)
- Dr. Daniel Camps (I2CAT)
- Paweł Kryszkiewicz (Poznan University of Technology)
- Wissam Mallouli (Montimage)
- Phu Nguyen (SINTEF)
- Ioan ConstantinPhu (Orange)

12

WORKSHOPS

Opening and Introduction

The workshop will open with an introduction by the chairs (Sébastien Faye, LIST, 6G-TWIN project coordinator & Régis Decorme, R2M, 6G-TWIN DEC manager)

Project Presentations

Group 1: Foundational Architectures and Experimental Testbeds

(Focus on core reference models, synchronization, and NDT implementation in testbeds/sandboxes)

- 6G-TWIN - Key focus: Reference functional architecture for NDTs in 6G systems | Speaker: Sébastien Faye (LIST)
- 6G-SANDBOX: Key focus: Results from Digital Twin work applied to the 6G-SANDBOX project, from measurement to prediction of technology performance in energy consumption use case. | Speaker: Michael Dieudonne (Keysight Technologies)
- MARE, Key focus: Using an NDT-based Sandbox for incidents and remediation actions analysis and pre-assessment | Speaker: Xavi Masip (UPC)
- 6G-PATH, Key focus: 6G Digital Twin Testbed for the Classroom of the Future | Speaker: Jose M Alcaraz Calero (Aston University)

Group 2: Network-Centric NDT (RAN, NTN, and Heterogeneous Core)

(Focus on specific network domains, including cloud, core, and radio technologies)

- SUNRISE-6G: Key focus : NTD for ORAN | Speaker: Dr. Daniel Camps (I2CAT)
- FLECON-6G | Key focus: NTN Network Digital Twin | Speaker: Dr. Carlos Guimaraes, SIEMENS
- UNITY-6G: Key focus: NDT in unified architecture for heterogeneous 6G network | Speaker: Paweł Kryszkiewicz (Poznan University of Technology)
- 6G-DALI | NDT for the European 6G dataspace | Speaker: Prof. Adlen Ksentini (EURECOM)
- 6G-Cloud, Key focus: NDT-enabled AI/ML framework for 6G-Cloud service-oriented architecture | Speaker: Dr. Nikos Dimitriou (NCSR "Demokritos")

Coffee Break · 15:30 - 16:00

Group 3: Cross-Domain Integration and Security NDT

(Focus on NDT for verticals, critical infrastructure, security, and leveraging programmability)

- ENVELOPE | Key focus: Exploring how application- and vehicle-level digital twins can leverage network and edge programmability to optimize performance and service delivery | Speaker: Ramon de Souza Schwartz (TNO).
- 6G Future Network Services (flagship project in the Netherlands), Key focus: Adaptive synchronization for the Network Digital Twin || Speakers: Chrysa Papagianni (University of Amsterdam), Giovanni D'Amore (Keysight Technologies)
- INTACT: Key focus: An integrated toolbox for a cybersecurity digital twin for critical Infrastructure| Speaker: Wissam Mallouli (Montimage)
- SECASSURED: Key focus: AI-based security services for Trustworthy 5G/6G security| Speaker: Ioan Constantin (Orange)
- cPAID: Knowledge Graphs for Network Digital Twins | Speaker: Yenny Moreno

Interactive Discussion / Panel : Cross-project challenges and opportunities - (30 min)

- Interoperability across platforms and ecosystems
- Scalability of digital twin deployments
- Data governance, privacy, and security
- Explainability of AI-driven network decisions
- Situational awareness and integration with vertical domains

Closing Remarks and Action Plan - (10 min)

The workshop will conclude with a summary of key takeaways, followed by a collaborative discussion to define an action plan.

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WORKSHOPS

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Afternoon · 09:00–12:30

Resilience in 6G and beyond: Perspectives, Challenges, and Design Approaches
Dirección de Certámenes

Technical Programme Committee

- Norman Franchi (Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany)
- Friedemann Laue (Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany)
- Nurul Mahmood (University of Oulu, Finland)
- Bho Matthiesen (Universität Bremen, Germany)
- Hirley Alves (University of Oulu, Finland)

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Welcome and introduction

Norman Franchi, Professor and head of the Institute for Smart Electronics and Systems (LITES), Friedrich-Alexander Universität Erlangen-Nürnberg (FAU)

Ecologically responsible network design and resilience

Aarne Mämmelä, Emeritus Professor, University of Oulu

Antifragile 6G Networks

Luis Contreras, Technology Expert, Telefónica

Building 6G Resilience with Digital Twins: AI Sandboxes, Network Validation and Disruption Response

Germán Corrales Madueño, 6G Innovation Technical Program Manager for AI and Digital Twin, Keysight Technologies

Interdisciplinary approach to resilience in 6G

Marja Matinmikko-Blue, Research Director, University of Oulu

How do new 6G security features support network resiliency?

Emrah Tomur, Head of Network Security Research & Standards, Nokia

Resilience for E2E services in critical industrial infrastructures

Florian Zeiger, Principal Key Expert, Siemens Foundational Technologies

Building robust critical mobile networks

Mikael Fallgren, Researcher, Ericsson Research

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WORKSHOPS

14

Afternoon · 09:00–12:30

Large-Scale Trials and Pilots:
The Pathway from SNS JU Call
1 to R&I Workprogramme 2027

Sala de Conferencias 2 (2.2)

Technical Programme Committee

- Alex Kaloxylos (6G IA)
- Colin Wilcock (Nokia)
- Didier Bourse (Nokia)
- Haesik Kim (VTT)
- Jose Almodovar (TNO)
- Raffaele de Peppe (TIM)
- Kostas Trichias (6G IA)
- Paul Harris (VIAVI Solutions)
- Pavlos Basaras (ICCS-NTUA)
- Xenofon Vasilakos (ICCS-NTUA)

Session 1: Opening Session - (15 min)

Welcome by workshop organizers

**Keynote Speech: SNS T&P Brochure #2:
highlighting advances in Trials and Pilots
towards 6G**

Didier Bourse (Sr. Director EU R&I Programs,
Nokia)

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Session 2: Key Results and Impacts from SNS Call 1-3 Trials & Pilots Projects

Chairs: Raffaele de Peppe (TIM), Haesik Kim
(VTT) (75 min)

IMAGINE B5G: Key achievements in Real- World Validation of (B)5G Capabilities for Port Operations and Selected Project Results

David Gomez Barquero, Project Coordinator
(UPV) (15 min)

TRIALSNET: Transforming the Live Event Experience with Advanced XR Capabilities

Alessandro Trogolo, Technical Manager
(TIM) (15 min)

Key lessons learnt in 6G PATH when implementing large-scale pilots to assess 6G innovations value in multiple verticals

Luis Cordeiro, Technical Manager (One
Source) (15 min)

Advancing Automotive Vertical Innovation in ENVELOPE through API-Driven Network and Edge Programmability in B5G Systems

Pavlos Basaras, Project Coordinator (ICCS-
NTUA) (10 min)

Overview of 6G-VERSUS Trials

Xenofon Vasilakos, Technical Manager
(ICCS-NTUA) (10 min)

Sustainable 6G vertical use cases in AMAZING 6G

Haesik Kim, Technical Manager (VTT) (10
min)

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WORKSHOPS

Session 3: Key Insights from the SNS Strategic Workshops with Selected Verticals

Chair: Xenofon Vasilakos (ICCS-NTUA) (30 min)

- Public Safety
- David Lund (PSCE Forum) (10 min)
- Railway
- Raffaele de Pepe (TIM) (10 min)
- Smart Manufacturing
- Didier Bourse (Nokia) (10 min)

Session 4: Panel Discussion "Looking Back and Planning Ahead: Trails and Pilots in SNS R&I Workprogramme 2027 and Beyond"

Moderator: Carles Antón-Haro (CTTC)(60 min) Participants: Representatives from Stream D projects, EC/SNS-O, 6G IA officers, vertical companies, etc.

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Afternoon · 09:00 – 12:30

Brains in the Loop: Neuromorphic Computing in Future Communication Systems
Sala 3

Technical Programme Committee

- Sebastian Karl (Fraunhofer IIS, DE)
- Eike-Manuel Edelmann (KIT, DE)
- Fariborz Derakhshan (Nokia Bell Labs, DE)
- Konstantinos Nikitopoulos (Uni Surrey, UK)
- Alexander von Bank (Karlsruhe Institute of Technology, DE)
- Chris Vagionas (Aristotle University of Thessaloniki)
- Leonidas Richter (Fraunhofer IIS, DE)
- Shi Li (VPI Photonics, DE)
- Andre Richter (VPI Photonics, DE)
- Laurent Schmalen (Karlsruhe Institute of Technology, DE)

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WORKSHOPS

Impulse: Neuromorphic Computing in Communication Systems

Speaker: Fariborz Derakhshan (Nokia Bell Labs, DE)

NeuroPHY: Towards Ultra-Efficient, Neuromorphic Inspired PHY Processing Architectures

Konstantinos Nikitopoulos (Uni Surrey, UK)

Neuromorphic Signal Processing for Communications: SNN-Based Equalizers and Demappers

Alexander von Bank (Karlsruhe Institute of Technology, DE)

Silicon Photonics Processors in Support of Wireless Signal Processing

Chris Vagionas (Aristotle University of Thessaloniki, GR)

Neuromorphic Edge AI Processors for Sustainable Communication Systems

Leonidas Richter (Fraunhofer IIS, DE)

Component and System Modelling for Photonic Neuromorphic Computing Architectures

Shi Li (VPI Photonics, DE)

Panel discussion "Neuromorphic computing in communication systems - why isn't everyone using it?"

Moderator: Sebastian Karl (Fraunhofer IIS, DE)

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WORKSHOPS

16

Afternoon · 09:00–12:30

International cooperation in Artificial Intelligence for 6G networks
Sala de Conferencias 2 (2.1)

Technical Programme Committee

- Serge Fdida (SU)
- Anastasius Gavras (Eurescom)
- Abhimanyu Gosain (Northeastern University, USA).
- Odysseas Pyrovolakis (SNS-JU).
- Daniel Kilper (TCD)
- Luis Pessoa (INESC TEC).
- Antonio de la Oliva (UC3M).
- Marie-José Montpetit (SLICES-RI)
- Stavroula Maglavera (UTH).
- Michael Dieudonne (Keysight).
- Raymond Knopp (Eurecom).
- Michele Polese (Northeastern Univ).
- Ivan Seskar (Rutgers)
- Thomas Magedanz (TUB)
- Navid Nikaein (Eurecom).
- Didier Bourse (Nokia).
- Panayiotis Andraou (UCyprus).
- Aki Nakao (University of Tokyo)
- Jongwon Kim, GIST, KR
- Jose Rezende (RNP)
- Raffale Bruno (CNR)
- Joyce Mwangama (UCT)
- Damien Saucez (INRIA)
- Sebastian Gallenmuller (TUM)
- Marinos Charalabides (SNS-JU)
- Manuel Ricardo (Porto Univ.)

16

Welcome & Opening

Serge Fdida, Sorbonne Universite; Henning Sanneck, Apple; Odysseas Pyrovolakis, SNS JU

Session 1 Challenges

- AI in 6G RAN Research, Emilio Calvanese-Strinati - CEA-Leti
- AI Research Platforms, Luis Pessoa - INESC TEC

Session 2 Perspectives on international collaboration on AI in 6G with the EU

- Japan, Akihiro Nakao - University of Tokyo / HARMONY project
- Republic of Korea, Seong-Lyun Kim - Yonsei University / 6GARROW project
- US, Abhimanyu Gosain - North Eastern University / 6G-XCEL and SLICES-RI projects

Session 3 Panel "Cross-regional research and experimentation on AI in 6G"

Moderator: Ana Armada (UC3M)

Panelists:

- Tina Liao (ITRI), Akihiro Nakao (UTokyo), Rolando Guerra Gomez (Telefonica)
- Dan Kilper (TCD), Panayiotis Andreou (UCLAN), Abhimanyu Gosain (NEU)

Conclusion and Take away

Anastasius Gavras, Eurescom, Odysseas Pyrovolakis, SNS JU

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FROM MONOSTATIC TO DISTRIBUTED ISAC IN 6G: TRADE-OFFS AND NON-IDEALITIES IN SENSING AND IMAGING



Tuesday, 2 June 2026, 9:00-12:30, room C1.1

Structure and Content:

Part 1: Monostatic ISAC: fundamentals, trade-offs and non-idealities

Presenter: Musa Furkan Keskin – Approx. 1 Hour

This part focuses on the fundamentals of monostatic ISAC systems, discussing key trade-offs and non-idealities impacting sensing and communication performance, along with optimization, mitigation and exploitation approaches.

- Observation models and key degrees-of-freedom affecting sensing and communication
- Waveform optimization for delay-Doppler ambiguity shaping and rate maximization under radar constraints
- Monostatic sensing receiver design and range-Doppler side-lobe characterization
- Time-frequency and spatial trade-offs: modulation order, subcarrier powers and ISAC beamformers
- Interference and phase noise: manifestation, mitigation and exploitation techniques



Part 2: Fundamentals of D-ISAC operations and systems

Presenter: Henk Wymeersch – Approx. 1 Hour

This part introduces the core concepts of D-ISAC, covering the motivation for distributed operation and representative 6G use cases such as autonomous driving, public safety and infrastructure monitoring.

- Motivation for distributed sensing-communication integration vs. standalone systems
- Monostatic vs. bistatic vs. multistatic ISAC: configurations, data-aided sensing and phase-coherent localization
- Challenges in multistatic sensing: resource management, node coordination and synchronization
- Time-frequency-space and node mode selection trade-offs
- Interference models and synchronization challenges in D-ISAC with potential solutions



Part 3: D-ISAC imaging: fundamental theory, KPIs, methods and trade-offs

Presenter: Dario Tagliaferri – Approx. 1 Hour

This part covers the fundamentals of ISAC imaging vs. target localization and its 6G use cases (autonomous driving, public safety, environment and weather monitoring).

- Diffraction tomography theory, spatial ambiguity function, theoretical vs. effective resolution and image entropy
- Coherent vs. incoherent imaging: advantages, disadvantages and multistatic synchronization requirements
- Spatial and frequency anisotropy challenges of extended targets
- Signal processing for multistatic image formation: backprojection and regularized inversion
- Waveform and spatial precoding design trade-offs in D-MIMO systems

SPEAKERS:

Henk Wymeersch,
Chalmers University of
Technology

SEMusa Furkan Keskin,
Chalmers University of
Technology

SEDario Tagliaferri
Politecnico di Milano

AI/ML FOR 6G MIMO: FROM FUNDAMENTALS TO INDUSTRIALIZATION



SPEAKERS:

Luca Sanguinetti, University of Pisa
and CNIT, IT

Adrian Garcia-Rodriguez, Ericsson
Research

Tanguy Kerdoncuff, Ericsson
Research, FR

Renato Luís Garrido Cavalcante,
Fraunhofer Institute for
Telecommunications, DE

Paul Almasan, Telefónica Innovación
Digital, ES

Tuesday, 2 June 2026, 14:00-17:30, Room C1.2

Structure and Content:

Part 1 – Fundamentals - Session 1: Introduction to 6G MIMO

Presenter: Luca Sanguinetti – 45 min

- Fundamentals (30 min): Distinguishing features, design principles and key challenges of 6G MIMO relative to previous cellular generations
- Motivation (15 min): AI/ML integration in 6G MIMO and why classical signal processing falls short

Part 1 – Fundamentals - Session 2: AI/ML Algorithms for 6G MIMO

Presenter: Renato L. G. Cavalcante – 45 min

- Domain knowledge (10 min): Hybrid data-driven and model-based design, role of classical ML
- Hybrid approaches (10 min): Spectrum from model-based to data-driven; fixed-point theory as underlying structure
- Examples (25 min): Academic cases combining model-based methods with neural networks or kernel methods, highlighting measurable gains of hybrid approaches

Part 2 – Applications - Session 3: AI/ML in 6G MIMO

Presenters: Adrian Garcia-Rodriguez & Tanguy Kerdoncuff – 45 min

- 3GPP 6G standardization and RAN1 studies (10 min)
- Latest 3GPP updates on AI/ML for MIMO (10 min)
- Key AI/ML use cases (25 min): AI/ML receivers, channel prediction and reference signal reduction

Part 2 – Applications - Session 4: AI/ML Applications – RAN Digital Twins & CSI Estimation

Presenter: Paul Almasan – 45 min

- CSI Estimation (15 min): Problem definition, existing solutions and use cases
- Radio Map & Coverage Prediction (15 min): CNN-, GNN- and geometry-aware approaches for network planning
- Open Challenges (15 min): Generalization, robustness, deployment, data efficiency, interpretability and physics-aware design

SEMANTIC COMMUNICATION FOR THE INTERNET OF THINGS: FRAMEWORKS, OPTIMIZATION, AND OPEN CHALLENGES

Tuesday, 2 June 2026, 9:00-12:30, Room C1.2



SPEAKERS:

Samer Lahoud,
Dalhousie University,
Halifax, CA

Structure and Content:

Part 1 – Semantic communication foundations and Deep JSCC for IoT

This part introduces SemCom from a system perspective, starting from centralized architectures and then motivating IoT deployments.

- From classical source–channel separation to semantic and task-oriented communication, and when semantic approaches provide advantages over bit-level transmission
- Conceptual definition of SemCom and distinction between reconstruction-oriented Deep JSCC and task-oriented SemCom
- Survey and classification of SemCom approaches by objective (distortion, task accuracy, hybrid) and modality (images, text, speech, sensor data)
- Deep JSCC architectures: encoder–channel–decoder autoencoders, typical loss functions, and illustrative examples for image and sensor data
- Assumptions of centralized SemCom models and why IoT – with its task orientation, sporadic traffic, and tight constraints on bandwidth, latency and energy – requires new frameworks

Part 2 – Training and operating semantic encoders in IoT: federated, split, and adaptive models

This part focuses on distributed training and adaptive runtime operation of SemCom models in heterogeneous IoT environments.

- IoT constraints for learning and inference: data locality, statistical and systems heterogeneity, intermittent connectivity and strict energy budgets
- Federated learning for SemCom: heterogeneity-aware clustering and client selection, and trade-offs between semantic fidelity, communication overhead and fairness
- Split learning and split inference: partitioning semantic encoders between devices and edge servers, static vs. adaptive cut selection, and impact on latency, energy and privacy
- Adaptive runtime mechanisms: multi-configuration and slimmable Deep JSCC models, SNR-conditioned encoders, and semantic-aware control based on channel state and device capabilities

Part 3 – Semantic-aware resource allocation for SemCom IoT

This part addresses radio resource management when semantic quality, latency, and energy are primary objectives.

- Limitations of bit-centric schedulers and link adaptation when applied to SemCom-enabled IoT systems
- Definition of semantic utility combining semantic fidelity, latency and energy consumption, and its role in decision making
- Design patterns for semantic-aware scheduling: prioritizing high-value semantic updates, mapping feature importance to time–frequency resources, and coordinating multiple semantic flows
- Optimization and reinforcement learning for semantic-aware radio resource management, and relation to learning-based scheduling in wireless networks

Part 4 – Open challenges and research directions in SemCom for IoT

The final part synthesizes the tutorial and highlights open problems that structure future research.

- Reliability and guarantees for semantic channels: semantic outage definitions, performance bounds and interaction with classical QoS metrics
- Multi-modal SemCom, privacy and security issues, and robustness to adversarial behaviour and poisoned or unreliable devices
- Fairness and inclusion in distributed semantic training and scheduling across heterogeneous IoT nodes, including bias in data and resource allocation
- Experimental challenges and standardization aspects on the path from laboratory prototypes to AI-native wireless IoT deployments

6G CONNECTIVITY FOR FLYING VEHICLES: INTEGRATED ARCHITECTURE, MOBILITY INTELLIGENCE, AND OPERATIONAL RELIABILITY

Tuesday, 2 June 2026, 14:00-17:30, Room C1.1



SPEAKERS:

Cicek Cavdar,

**KTH Royal Institute of
Technology, SE**

Mustafa Ozger,

Aalborg University, DK

Structure and Content:

Part 1 – Connected-Sky Vision, Use Cases, and Holistic Architectures - 25 min

This part sets the common language for the rest of the tutorial, connecting concrete aviation and UAV use cases to their network requirements and showing how combined airspace, NTN and terrestrial architectures close the gap between mission needs and what today's networks deliver.

- Flying-vehicle ecosystem and operational scenarios: cellular-connected UAVs, eVTOL air taxis, inspection/IoT, emergency response, passenger air mobility and connected aircraft
- Service classes and KPIs: separation of ultra-reliable C2/URLLC vs. high-throughput payload and sensing data; safety-driven availability targets
- Holistic adaptive architecture for Connected Sky: integration of airspace services (U-space/UTM), non-terrestrial components, and terrestrial RAN/core; key interfaces and control loops
- What 6G for Connected Sky changes vs. 5G-Advanced: 3D coverage planning, interference-aware mobility and AI-native control points

Part 2 – Service Availability Foundations and 3D Connectivity Fundamentals - 40 min

This part translates aerial channel and mobility phenomena into availability-oriented metrics that can be measured, optimized and compared across designs, enabling quantitative reasoning about when redundancy improves service continuity – and when it backfires.

- Availability definitions and measurement: outage vs. session continuity; main failure modes for aerial links under 3D propagation and LoS/NLoS transitions
- Mobility management for UAVs: why classical model-based handover and association is often insufficient, and when learning-based methods become necessary
- Reliability and delay in 3D multi-connectivity: combining cellular, HAP and satellite; practical trade-offs between redundancy and interference and resource usage

Part 3 – AI-native RAN Control: Dynamic Clustering and 3D Beamforming - 40 min

This part turns the availability problem into a controllable RAN closed loop, walking through how to define state, action and reward for clustering and beam management, and how to make learning policies operational to meet safety-driven targets.

- Problem formulation: user-centric clustering for aerial users; decision variables (cluster size, beam selection, association, power) under mobility and interference
- Learning-based dynamic cluster reconfiguration: inputs and features (3D geometry, SINR/RSRP, load), actions and reward design aligned with availability and handover stability
- 3D beamforming interaction: how beam management and clustering co-evolve for aerial users; practical constraints on signaling, latency and scalability

Part 4 – Joint Mobility Intelligence: Trajectory + Handover with Terrestrial Coexistence - 30 min

This part broadens the control scope from network-only to network and motion, showing how mobility and connectivity decisions can be co-optimized under realistic constraints while ensuring coexistence with terrestrial users.

- Joint trajectory and handover management: constraints (no-fly zones, energy, mission goals), terrestrial coexistence and fairness to ground users
- Multi-agent DRL design patterns: centralized training and distributed execution; coordination signals; stability vs. responsiveness
- Deployment discussion: what needs to be measured, where the intelligence sits (edge/RAN/cloud) and how to validate policies before field use

Part 5 – Trustworthy Operation, Open RAN/Edge-Cloud Mobility, and RF Sensing - 40 min

This part focuses on operational trust and robustness, linking AI decisions to explanations and adding safety checks, while connecting mobility to compute placement and covering RF sensing as a complementary capability for secure operations.

- Explainable RL for handover minimization: interpretable drivers of decisions, robustness checks and a practitioner checklist for trustworthy mobility AI
- Open RAN and edge-cloud mobility: soft handovers between edge clouds; orchestration implications for low-latency aerial services
- RF sensing and security: blind drone detection using OFDM-based Zadoff-Chu sequences; field test results on practical detectability and false alarms

SPECIAL SESSIONS

WEDNESDAY, JUNE 3

SS2

SPECIAL SESSION 2

ISAC – Integrated Sensing and Communications Towards 6G

🕒 8:30 - 10:00 Sala 2 (1st floor)

Session Chair

Xavier Costa Pérez – i2cat / NEC Labs / ICREA

Programme

- **Welcome & Setting the Scene** – Xavier Costa Pérez
- **The MultiX Perceptive RAN** – Antonio de la Oliva (Univ. Carlos III Madrid)
- **Distributed Sensing at Scale: RIS and Network-Wide Coordination** – Henk Wymeersch (Chalmers Univ.)
- **Semantic and Goal-Oriented Paradigms for Efficient ISAC** – Vincenzo Sciancalepore (NEC Labs Europe)
- **Beyond Communications: Demonstrating Immersive ISAC** – Angeliki Alexiou (Univ. of Piraeus)
- **ETSI ISG ISAC: Frameworks and Path to 3GPP Rel-20** – Alain Mourad (Interdigital)

SS3

SPECIAL SESSION 3

SLICES-RI: Experimenting the Next-Generation Digital Technologies

🕒 8:30 - 10:00 Sala 1 (1st floor)

Organizers

Marie-José Montpetit (SLICES-RI) · Antonio de la Oliva (UC3M)

Programme

- **Introduction to SLICES-RI** – Antonio de la Oliva (UC3M)
- **Spanish Node Capabilities** – Daniel Lorenzo (IMDEA Networks)
- **From Testbeds to Blueprints** – Damien Saucez (INRIA)
- **Cloud Continuum Blueprint: Methodology and Experimental Scenarios** – Amir Bujari & Andrea Sabbioni (Univ. Bologna)
- **Italian Node Capabilities** – University of Palermo
- **SLICES MRS, AI, and 6G-XCEL** – Dan Kilper (Trinity College Dublin)

SPECIAL SESSIONS

WEDNESDAY, JUNE 3

SS5

SPECIAL SESSION 5

Global 6G Testbed Collaboration for Open, Intelligent, and Interoperable Innovation

🕒 17:00–18:30 📍 Sala 2 (1st floor)

Organizer

Pang-An Ting – ITRI, Taiwan

Programme

- **Opening Remarks** – DG CONNECT / DOIT-MOEA / 6G-IA / TAICS representatives
- **6G Updates from Taiwan Academia** – NSTC representative
- **6G Updates from Taiwan Technologies** – Dr. Pang-An Ting (ITRI)
- **6G Perspectives from Taiwan Industry Leaders** – MediaTek · TMYTEK · Launchip Inc.
- **Panel: NTN, AI-RAN and ISAC as Key Enablers for Integrated 6G Systems** – Multiple panelists

SS11

SPECIAL SESSION 11

Networks in the AI Era

🕒 17:00–18:30 📍 Sala 1 (1st floor)

Chairs

Harish Viswanathan (Nokia Bell Labs,) · Mikko Uusitalo (Nokia Bell Labs,)

Panelists

Mari Carmen Aguayo-Torres, Uni Malaga · Mehdi Bennis, Uni Oulu · Eric Hardouin, Orange · Bartek Kozicki, IMEC · Petar Popovski, Uni Aalborg

Programme

- **Welcome & Setting the Scene – SNS JU + 6G-IA** – Colin Willcock (Nokia)
- **3GPP Time Plan and Status** – Jose Luis Almodovar Chico (3GPP SA1 Chair, TNO)
- **3GPP & Research Success Stories** – Bahare Masood-Khorsandi (HEXA-X II, Nokia)
- **ETSI Approach to Research & Show-and-Tell** – David Boswarthick / Alain Mourad (ETSI)
- **Projects into SDGs** – Silvia Almagia & Vasileios Theodorou (ETSI / Intracom)

SPECIAL SESSIONS

THURSDAY, JUNE 4

SS1

SPECIAL SESSION 1

Redefining Connectivity: Multidisciplinary Approaches to 6G through Ultra-Massive MIMO and Intelligent Sensing

🕒 11:00-12:30 📍 Sala de Conferencias 2.1

Organizers

Ana Garcia Armada · Victor P. Gil Jimenez – UC3M, ES

Programme

- **Panel: Redefining Connectivity** – Moderated by Ana Garcia Armada
- **Panelists:** Marku Juntti (Univ. Oulu) · Mikko Uusitalo (Nokia Bell Labs) · Alben Mihovska (Aarhus Univ.) · Agata Manolova (TU-Sofia)
- **AI-Enhanced Self-Interference Cancellation for In-Band Full-Duplex Systems** – A. Salutregi et al. (UPV/EHU)
- **Energy-Aware CMAB for Beam Management** – P. Hatka, H. Bogucka (Poznan Univ. of Tech.)
- **Angular-Domain Non-Coherent MIMO Processing** – R. de Miguel Gil, A. Garcia Armada (UC3M)

SS6

SPECIAL SESSION 6

From Principles to Practice: Embedding Sustainability in 6G Standardisation

🕒 11:00-12:30 📍 Sala de Conferencias 2.2

Organizers

Christoph Schmelz (Nokia) · Anastasius Gavras (Eurescom) · Andrea Di Giglio (TIM) · Pooja Mohnani (Eurescom GmbH) · Mattia Merluzzi (CEA Leti, FR,)

Programme

- **SUSTAIN-6G: Sustainability for 6G, 6G for Sustainability** – C. Schmelz (Nokia)
- **Incorporating Sustainability Aspects in Standards** – Cristina Ciochina-Duchesne (Mitsubishi ERDCE)
- **Charting the Path to Sustainable Future Networks 3GPP** – Prachi Sachdeva (TNO)
- **ITU-T Activities on Sustainability** – Alben Mihovska (SmartAvatar)
- **Sustainability by Design in 3GPP: Foundations for 6G** – Laurent-Walter Goix (Nokia)

SPECIAL SESSIONS

THURSDAY, JUNE 4

8SS

SPECIAL SESSION 8

Next Generation Healthcare: High Density 6G Connectivity for Agents, Sensors, and Virtual Care Ecosystems

🕒 16:30-18:00 📍 Sala de Conferencias 2.1 (first floor)

Session Chair

Christoph Lipps – DFKI, Germany

Programme

- **Motivation / Lightning Talk** – Stefan Maas (NXP Semiconductors)
- **Healthcare Innovation Perspective** – Julie Courpron (CHU Rennes)
- **Virtual Care & Telemedicine** – Piotr Pawalowski (medVC)
- **Regulatory Affairs in Digital Health** – Hans Wenner (VDE)
- **6G for Healthcare Ecosystems** – Álvaro Fanego (SCAYLE)

SS10

SPECIAL SESSION 10

Unified Terrestrial and Non-Terrestrial Networks for 6G: Towards Seamless 3D Connectivity

🕒 16:30-18:00 📍 Sala de Conferencias 2.2 (first floor)

Organizers

Mustafa Ozger (Aalborg Univ.) • **Alessandro Vanelli-Coralli** (Univ. Bologna) • **Markus Breitbach** (Deutsche Telekom, DE) • **Sahana Raghunandan** (Fraunhofer IIS, DE) • **Maria Gouta** (ESA)

Programme

- **6G-SKY: 6G for Connected Sky** – Cicek Cavdar (KTH)
- **3D-NET: 3D Networks for 6G Mobile Communications** – Sahana Raghunandan (Fraunhofer IIS)
- **6G-NTN: 6G Non-Terrestrial Networks** – Alessandro Vanelli-Coralli (Univ. Bologna)
- **6G-TakeOff** – Markus Breitbach (Deutsche Telekom)
- **Panel:** Opportunities, Challenges & Deployment Pathways for TN/NTN

SPECIAL SESSIONS

THURSDAY, JUNE 4

SS12

SPECIAL SESSION 12

France 6G: A Glimpse into SMEs-Led Innovations in national projects in France

🕒 16:30-18:00 Sala de Conferencias 1.1

Organizers

Hakima Chaouchi, France 6G.

Programme

Sustainability & RF Engineering

- FlexoGreenxG – Irene de Gruijter (Wupatec)
- Icom – Hassan Aboushady (Seamlesswave)
- RAIGREEN – Bruno Duval (CityPassenger)

Open-RAN & Software Agility

- SimpleRAN – Karim Boutihane (Amarisoft / RapidSpace)
- Intention-6G – Navid Nikaein (BubbleRAN)

NTN Ubiquitous & Seamless Access

- NTN Project – Chamssedine Berrached & Stephane Boichon (Univity)

FRIDAY, JUNE 5

SS4

SPECIAL SESSION 4

Robust-6G: Advancing Security and Automation for Next-Generation 6G Networks

🕒 09:00-10:30 Dirección de Certámenes (1st floor)

Session Chair

Ramin Fuladi – Ericsson Research, TR

Panel Topics & Experts

- *Exposing Security Capabilities to External Stakeholders* – Dr. Diego R. Lopez (Telefónica)
- *Trustworthy AI Services for 6G* – Prof. Madhusanka Liyanage (Univ. College Dublin)
- *Zero-Touch Security Automation* – Pietro G. Giardina (Nextworks)
- *Closed-Loop Physical-Layer Security* – Prof. Stefano Tomasin (Univ. Padova)
- *Pervasive Monitoring and Data Governance* – Prof. Manuel Gil Pérez (Univ. Murcia)
- *Standardization Aspects* – Dr. Ömer Tuna (Ericsson Research)

SPECIAL SESSIONS

FRIDAY, JUNE 5

SS7

SPECIAL SESSION 7

Cascaded Funding in SNS Program – Accomplishments, Challenges, and Future Potential

🕒 09:00–10:30 Sala de Conferencias 2.1

Session Chair

Halid Hrasnica – Eurescom GmbH

Programme

- *Purpose & Expectations on the Open Call Mechanism in SNS*
- *Implementation of Open Calls by Parent Projects* – 6G-PATH · 6G-SANDBOX · FIDAL
- *Presentations from Open Call Sub-Projects*
- *Wrap-Up Discussion: Way Forward*

SS9

SPECIAL SESSION 9

Architecture Advancements towards 6G: Pre-Standardization, Key Technology Enablers, and Facing Challenges

🕒 11:00–12:30 Sala de Conferencias 2.2

Organizers

Xi Li (NEC Labs) · Ömer Bulakci (Nokia) · Marco Gramaglia (UC3M) · A. Gavras (Eurescom)

Programme

- *Architecture Migration from 5G towards 6G* – Presentation by SNS 6G-Arch WG – Invited Speaker: Patrik Rugeland (Ericsson) - Presentation by XGMF – Invited Speaker: Takehiro Nakamura (NTT DOCOMO), Shinichi Isobe (NTT DOCOMO), and Hideaki Takahashi (Nokia)
- *Agentic AI Framework for 6G* – S. Robitzsch / J. M. Alcaraz Calero (Interdigital / Agentic-6G)
- *Integration of Non-Terrestrial Networks in 6G* – Konstantinos Ntontin (SnT, University of Luxembourg), Tomaso de Cola (DLR), Harilaos Koumaras (NCSR DEMOKRITOS) and Anastasius Gavras (Eurescom)
- *Integrating Ambient-IoT Devices in 6G Networks* – Jeroen Famaey (IMEC / AMBIENT 6G)
- *Open Discussion with All Presenters*

CONVENED SESSIONS

WEDNESDAY, JUNE 3

CONVENED SESSION 3

EURO-3C: Building Europe's First Federated Telco-Edge-Cloud Infrastructure

Session Chair

[Miguel Gonzalez-Sancho](#)

Head of Unit, European Commission

Presenters

[Arturo Torrealba](#)

EURO-3C Coordinator, Telefónica

[Manuel Lorenzo](#)

Technical Manager, Ericsson

[Souvik Sengupta](#)

Sovereign Lead, IONOS

[Silvia Almagia](#)

Standardization Lead, ETSI

[Igor Lopez Orbe](#)

Transport Manager, CAF

[Christos Verikoukis](#)

SOVEREIGN-6G Coordinator, Athina

Wednesday, 3 June 2026, 08:30–10:00

Room: Sala de Conferencias 1 (1.2)

Programme:

Introduction and Strategic Context

The EURO-3C Pilot: Federating Telco-Edge-Cloud Infrastructures

- Federation of heterogeneous Telco, Edge, Cloud and AI infrastructures
- Multi-vendor interoperability and open interfaces
- Orchestration across distributed domains

Addressing Next-Generation Vertical Demands

- Co-design with Automotive, Transport, Energy and PPDR stakeholders

Discussion on Implications for Research and Innovation

- Zero-Trust architecture, cross-domain security, EU sovereignty compliance
- SNS collaboration: synergies, research approaches and ways of working

Interactive Discussion & Q&A

CONVENED SESSION 3

CONVENED SESSION 5

Chiptainability – A Concept to Integrate Sustainability and Microelectronics for 6G

Session Chair

[Stefan Wunderer](#)

Nokia / Univ. Würzburg, DE

Wednesday, 3 June 2026, 08:30–10:00

Room: Sala de Conferencias 1 (1.1)

Programme:

Opening note: Chiptainability for 6G

- [Stefan Wunderer](#) – Nokia & University of Würzburg

6G sustainability requirements and assessments

- [Prof. Marja Matinmikko-Blue](#) – University of Oulu

Sustainable connectivity: analog electronics and photonics chips

- [Dr. Mohand Achouche](#) – Nokia

Energy-Efficiency in mmWave and Broadband ICs for Sustainable Connectivity

- [Prof. Ahmed Cagri Ulusoy](#) – Karlsruhe Institute of Technology

Chiptainability Handprinting as Key Value Indicator for 6G-Enabling Chips

- [Dr. Michael Kühnen](#) – ELFIN Consulting

Combined Panel and Audience Q&A

CONVENED SESSION 5

CONVENED SESSIONS

WEDNESDAY, JUNE 3

CONVENED SESSION 2

The SME Factor in Europe's Sovereignty

Session Chair

[Colin Willcock](#)
6G-IA

Speakers

[Kostas Trichias](#)
Head of 6G R&I Coordination, 6G-IA

[Javier García Rodrigo](#)
R&D projects, Telefónica

· [Ubiwhere](#) (PT)

· [Four Dot Infinity](#) (GR)

· [Cumucore](#) (FI)

Wednesday, 3 June 2026, 17:00–18:30

Room: Sala de Conferencias 1 (1.1)

Programme:

Welcome (5 min)

Overview: Role of SMEs in Europe's sovereignty and resilience – political, technological & industrial perspective (25 min)

Presentation of SME contributions to Europe's sovereignty and resilience (30 min)

Panel discussion: Think Small First (25 min)

Conclusions and next steps (5 min)

CONVENED SESSION 2

CONVENED SESSION 4

UNICO Advanced 5G and 6G R&D Programme in Spain

Organizer

[Pedro Merino](#)
University of Málaga, ES

Speakers

[Matías González](#)
Ministry for Digital Transformation, ES

[Miquel Payaró / C. Antón-Haro](#) - CTTC

[C.J. Bernardos / A. de la Oliva](#) - UC3M

[Jesús Alonso-Zarate](#) - i2CAT

[David Gómez Barquero](#)
Univ. Politècnica de València

[Almudena Díaz / Sergio Fortes](#)
University of Málaga

Wednesday, 3 June 2026, 17:00–18:30

Room: Sala de Conferencias 1 (1.2)

Motivation and Context:

The session presents representative projects and results from the UNICO Advanced 5G and 6G R&D Programme in Spain. This programme promotes public research foundations, universities and private entities to develop strategic R&I projects focused on 5G and 6G technologies, consolidating a comprehensive 5G+6G R&D ecosystem in Spain. It is part of Spain's Recovery, Transformation and Resilience Plan under the EU NextGenerationEU framework, aligned with the SNS JU.

Programme:

Introduction by the Secretary-General for Telecommunications, Digital Infrastructure and Digital Security

5 presentations from Spanish research institutions: results and links to SNS projects

- CTTC · UC3M · i2CAT · UPV · UMA

CONVENED SESSION 4

CONVENED SESSIONS

THURSDAY, JUNE 4

CONVENED SESSION 1

6G International R&I Landscape: Regional Priorities, Insights and Global Convergence towards Future Smart Networks and Services

Organisers

[Kostas Trichias](#)
6G-IA

[Alexandros Kaloxylos](#)
6G-IA

Panelists

[Colin Willcock](#)
Chairman SNS JU & 6G-IA [Europe]

[Takehiro Nakamura](#)
Chief Std. Officer, NTT DOCOMO [Japan]

[Seong-Lyun Kim](#)
Yonsei Univ., 6GARROW Coord. [S.Korea]

Bharat6G representative [India]

[Abhimanyu Gosain](#)
Senior Director, NorthEastern Univ. [USA]

Thursday, 4 June 2026, 11:00–12:30

Room: Sala de Conferencias 1 (1.1)

Motivation and context

This session brings together representatives from major 6G research regions to share their visions, priorities and latest results towards global convergence in future smart networks and services. It covers Europe, Japan, South Korea, India and the USA, fostering dialogue between regional alliances and identifying opportunities for international collaboration.

Programme:

Welcome / Introduction

- [Kostas Trichias](#) – Head of 6G R&I Coordination, 6G-IA / SNS CO-OP

Opening Presentation – SNS JU Office / EC

Presentations on Regional Activities & Priorities

- Europe · Japan · South Korea · India · USA

Panel Discussion and Q&A

CONVENED SESSION 1

CONVENED SESSION 6

Leadership, Visibility and Impact in Research and Innovation

(WiTaR)

Chairs

[Bahare Masood Khorsandi](#)
Nokia, DE

[Carole Manero](#)
IDATE

[Marie-Helene Hamon](#)
Orange, FR

[Didier Bourse](#)
Nokia, FR

[Irene Alepuz Benaches](#)
UPV, ES

[Pooja Mohnani](#)
EURESCOM

[Audrey Bienvenu](#)
EURESCOM

Thursday, 4 June 2026, 11:00–12:30

Room: Sala de Conferencias 1 (1.2)

Programme:

Welcome from the WG chair and vice-chair (5 min)

- [Bahare M. Khorsandi & Marie-Helene Hamon](#)

WiTaR introduction and update on recent WG activities (10 min)

- [Bahare M. Khorsandi & Marie-Helene Hamon](#)

Videos: leaders on gender inclusivity in deep tech and 6G (5 min)

- [Didier Bourse](#)

Industry & academia view: encouraging gender diversity (15 min)

Bar Camp: Leadership · Visibility · Impact · Designing Inclusive 6G Use Cases (45 min)

- [Pooja Mohnani](#) – Groups formation + discussion + results presentation

Conclusion and next steps (5 min)

- [Bahare M. Khorsandi & Marie-Helene Hamon](#)

CONVENED SESSION 6

CONVENED SESSIONS

THURSDAY, JUNE 8

CONVENED SESSION 2

Spectrum Management in Europe: Bridging Regulatory Practice and Research

Chairs

[Miia Mustonen](#)

European Communications Office (ECO),
DK

[Chris Seifert](#)

ECC Chair, DE

Presenters

[Miia Mustonen](#)

ECO, Denmark

- [Chris Seifert](#)

ECC Chair, Germany

- [Other speakers to be confirmed](#)

Thursday, 4 June 2026, 16:30–18:00

Room: Sala de Conferencias 1 (1.2)

Programme:

Introduction and Context Setting

ECO Strategic Perspectives

- Spectrum harmonisation and coordination in multi-technology environments
- Technical and regulatory considerations in spectrum management
- Interface between research outcomes and regulatory implementation

Policy and Practice Insights

- [ECC Chair](#) – Presentation

Discussion on Implications for Research and Innovation

Audience Q&A / Wrap-up

CONVENED SESSION 8

FRIDAY, JUNE 5

CONVENED SESSION 7

Networld Europe Strategic Research and Innovation Agenda 2026

Organizers

[Jyrki Huusko](#)

NetworldEurope / Univ. of Oulu

[Artur Hecker](#)

NetworldEurope / Huawei, DE

[Rui Luis Aguiar](#)

NetworldEurope / IT-Aveiro, PT

Friday, 5 June 2026, 09:00–10:30

Room: Sala de Conferencias 1 (1.1)

Programme:

Introduction to the overall SRIA directions (10 min)

- [Jyrki Huusko / Rui Aguiar](#)

Key Research Challenges and Objectives for Future (65 min · 13 min each)

- [Artur Hecker](#) – System View and Architectural Orientations
- [Pouria Khodashenas](#) – Softwarization and Intelligence in Networks
- [Dirk Trossen](#) – Protocols and Communication Paradigms
- [Raul Muñoz](#) – Physical Layer Innovations
- [Anastasius Gavras](#) – Future Transversal and Disruptive Technologies

Discussion, feedback from the community and path ahead (15 min)

CONVENED SESSION 7

CONVENED SESSIONS

FRIDAY, JUNE 5

CONVENED SESSION 9

6G Research into Standardisation: Maximising European Impact through Collaboration – Examples of Success Stories

Session Chair

[Colin Willcock](#)

6G-IA

[David Boswarthick](#)

ETSI

Speakers

[Jose Almodovar Chico](#)

TNO (3GPP activities)

[Silvia Almagia](#)

ETSI (SDGs)

[Muriel Deschanel](#)

ETSI

[Dimitris Tsolkas](#)

Chair ETSI SDG OCF

[Alain Mourad](#)

Chair ETSI ISG ISAC

Friday, 5 June 2026, 09:00–10:30

Room: Sala de Conferencias 1 (1.2)

Programme:

Importance of Connectivity for the Digital Decade – EC DG Connect (5 min)

Status and plans from the SNS JU (5 min)

Statements from 6G-IA – [Colin Willcock](#) (5 min)

Panel: How research projects are enabled to participate in Standardization

- [Jose Almodovar Chico](#) – 3GPP related activities on 6G (10 min)
- [Muriel Deschanel](#) – ETSI enablers for research in standards (10 min)
- [Alain Mourad](#) – Lessons learned: EU project impact in ETSI ISGs (10 min)
- [Silvia Almagia](#) – ETSI SDGs for bridging research into standards (10 min)
- [Dimitris Tsolkas](#) – Lessons learned: EU project impact in 3GPP via ETSI SDGs (5-10 min)
- Winner of the new ETSI R&I Award – presentation (5 min)

CONVENED SESSION 9



Tuesday, 2 June 2026**Tuesday, 2 June 2026, 09:00 – 10:30****Tutorial 1*****From Monostatic to Distributed ISAC in 6G: Trade-Offs and Non-Idealities in Sensing and Imaging***

Instructors: Henk Wymeersch (Chalmers Univ. of Technology, SE), Musa Furkan Keskin (Chalmers Univ. of Technology, SE), Dario Tagliaferri (Politecnico di Milano, IT)

Room: C1.1

Tutorial 3***Semantic Communication for the Internet of Things: Frameworks, Optimization, and Open Challenges***

Instructor: Samer Lahoud (Dalhousie Univ., CA)

Room: C1.2

Workshop 1***6G non-terrestrial networks: from theory to practice – Moving towards in-orbit 6G experiments***

TPC Co-Chairs: Adam Kapovits (Eurescom GmbH), Maria Guta (ESA), Akihiro Nakao (Univ. of Tokyo, JP), Tomaso de Cola (DLR), Marius Corici (Fraunhofer FOKUS), Armin Dekorsy (Univ. of Bremen, DE), Engin Zeydan (CTTC), Babak Mafakheri (Safran Passenger Innovations), Matteo Pagin (Keysight Technologies Denmark, DK), Konstantinos Ntontin (Univ. of Luxemburg, LU), Cicek Cavdar (KTH)

Room: C2.1

Workshop 2***Second Workshop on Integrated Sensing and Communications initiatives on the European research framework***

TPC Co-Chairs: Antonio de la Oliva (Univ. Carlos III de Madrid, ES), Henk Wymeersch (Chalmers Univ. of Technology, SE), Renato Lo Cigno (Univ. of Brescia, IT), Christos Oikonomopoulos (IMST GmbH, DE), Haibin Zhang (TNO, NL), Mario H. Castaneda García (Huawei Technologies Duesseldorf GmbH, DE), Israel Koffman (RunEL, ES), Eric Klumperink (Univ. in Enschede, NL), Angeliki Alexiou (Univ. of Piraeus, GR), Jesús Gutierrez (IHP GmbH), George C. Alexandropoulos (National and Kapodistrian Univ. of Athens, GR), José A. Lázaro (UPC-BarcelonaTech, ES), Padmanava Sen (Barkhausen Institut gGmbH, DE), Ljupco Jorguseski, Daniel Martini (IMST GmbH, DE).

Room: C2.2

Workshop 3***Rethinking Test, Measurement, and Validation for 6G Networks***

Instructors: Michael Dieudonné (Keysight Technologies Belgium), Anastasios Gavras (Eurescom), Ioanna Mesogiti (OTE), Ioannis Patsouras (WINGS-ICT-SOLUTIONS)

Room: Sala 1

Workshop 4***Microelectronics and Photonics Hardware Challenges and Solutions towards 6G***

TPC Co-Chairs: Luís Manuel Pessoa (Univ. Porto/INESC TEC), Eric Klumperink (Univ. Twente), Alexios Birbas (Univ. of Patras), Bernard Barani (6G-IA), Ioannis Tomkos (University of Patras)

Room: Sala 2

Workshop 5***Is there anything new on Security for 6G Networks?***

TPC Co-Chairs: Antonio Skarmeta (UMU), Dhouha Ayed (Thales), Edgardo Montes de Oca (Montimage), Antonios Lalas (ITI), Maxime Compastie (I2CAT), Mir Ghorashi (Gigasys Solutions), Xavier Masip Bruin (UPC), Engin Zeydan (CTTC), Manuel Gil Pérez (UMU), Shuaib Siddiqui (I2CAT), Spyridon Georgoulas (Demokritos).

Room: Sala 3

Workshop 6

Data Platforms for Advanced AI-native Networks: 6G Data Space, DataOps, MLOps, Dataset Generation & Curation

TPC Co-Chairs: Ch. Verikoukis (ISI/ATHENA), V. Theodorou (INTRACOM), A. Z. Hindi (Luxembourg Institute of Science and Technology), Ch. Murphy (VIAMI Solutions), L. Contreras (Telefónica I+D), G. Bernini (NEXTWORKS), L. Cordeiro (One Source), K. Ramantas (IQUADRAT INFORMATICA), A. Ksentini (EURECOM), D. Kliper (Trinity College), A. Lalas (CERTH), I. Chochliouros (OTE), L. Birguglio (CyberEthics), J. Vardakas (IQUADRAT)

Room: Sala 4

Workshop 7

Agentic AI and Agentic Networking for Next-Generation Computer Networks

TPC Co-Chairs: Badii Jouaber (Institut Mines Telecom), Carlos Jesús Bernados (Universidad Carlos III de Madrid), Chrysa Papagianni (University of Amsterdam), Dan Kilper (Trinity College Dublin), Davit Harutyunyan (Aigentifyable, Bosch), Dimitris Pliatsios (University of Western Macedonia), Farhad Rezazadeh (Hostelworld, BrainOmega, UPC), Hakima Chaouchi (Institut Mines Telecom), Luigi Iannone (Huawei Technologies France), Matteo Zecchin (EURECOM, France), Mir Ghoraishi (Gigasys Solutions, United Kingdom), Sebastian Robitzsch (InterDigital Europe Ltd), Shirin Goshtasbpour (SDSC ETH Zurich), Shuping Peng (Huawei Technologies Co., Ltd), Thomas Lagkas (Democritus University of Thrace), Jim Mozley (Infoblox).

Room: Sala 5

Workshop 8

Sustainability in 6G: E2E integration and assessment

TPC Co-Chairs: Mattia Merluzzi (CEA-Leti), Christoph Schmelz (Nokia), Anastasius Gavras (Eurescom), Pooja Mohnani (Eurescom), Andrea Di Giglio (Telecom Italia), Luis Cordeiro (OneSource), Antonios Lalas (ITI), Sanna Tuomela (University of Oulu), Mays Al-Naday (University of Essex), Mir Ghoraishi (Gigasys Solutions), Marja Matinmikko-Blue (University of Oulu), Luigi Briguglio (CyberSocial Lab), Stefan Wendt (Orange Labs), Tobias Hossfeld (University of Würzburg), Haesik Kim (VTT).

Room: Sala 6

Tuesday, 2 June 2026, 11:00 – 12:30

10:30 – 11:00 | Exhibition & Coffee Break – Exhibition, expositions and patio

Continuation of Tutorial 1, Tutorial 3 and Workshops 1–8 (see above)

12:30 – 14:00 | Exhibition & Lunch – Exhibition, expositions and patio

Tuesday, 2 June 2026, 14:00 – 15:30

Tutorial 4

6G Connectivity for Flying Vehicles: Integrated Architecture, Mobility Intelligence, and Operational Reliability

Instructors: Cicek Cavdar (KTH Royal Institute of Technology, SE), Mustafa Ozger (Aalborg Univ., DK)

Room: C1.1

Tutorial 2

AI/ML for 6G MIMO: From fundamentals to industrialization

Instructor: Luca Sanguinetti (Univ. of Pisa/CNIT, IT), Adrian Garcia-Rodriguez (Ericsson Research), Tanguy Kerdoncuff (Ericsson Research, FR), Renato L. G. Cavalcante (Fraunhofer HHI, DE), Paul Almasan (Telefónica Innovación Digital, ES)

Room: C1.2

Workshop 10

Fourth International Workshop on Wireless Communications in Terahertz (IWCT)

TPC Co-Chairs: Kenta Umebayashi (Tokyo University of Agriculture and Technology, Japan), Nuutti Tervo (University of Oulu, Finland), Joonas Kokkonen (University of Oulu, Finland), Takuji Arima (Tokyo University of Agriculture and Technology, Japan), Claude Desset (IMEC, Belgium), DeGuzman Mar Francis (Aalto University, Finland), Minoru Fujishima (Hiroshima University, Japan), Suguru Kameda (Hiroshima University, Japan), Kosuke Katayama (National Institute of Technology, Tokuyama College, Japan), Pekka Kyösti (Keysight Technologies, Finland), Janne Lehtomaki (University of Oulu, Finland), Marko E. Leinonen (University of Oulu, Finland), Ahmad Nimr (Vodafone Chair Mobile Communications Systems, Germany), Aarno Pärssinen (University of Oulu, Finland), Kimmo Rasilainen (University of Oulu, Finland), Liesbet Van der Perre (KU Leuven, Belgium).

Room: Sala 2

Workshop 11

Sustainable by Design, Sustainable in Operation: The 6G Perspective

TPC Co-Chairs: Harilaos G. Koumaras (Demokritos), Luis Cordeiro (OneSource), Francesca Costanzo (CEA), Sébastien Faye (LIST), Jeroen Famaey (imec), Antonios Lalas (ITI), Jesus Gutierrez Teran (IHP), Artur Hecker (Huawei), Sanna Tuomela (University of Oulu), Mays Al-Naday (University of Essex), Tomaso de Cola (DLR), Mattia Merluzzi (CEA), Christoph Schmelz (Nokia), Anastasius Gavras (Eurescom), Andrea Di Giglio (Telecom Italia), Fariborz Entezami (Gigasys Solutions), Ayat Zaki Hindi (LIST), Rui Aguiar (Institute of Telecommunications, Aveiro), Katrina Petersen (PSC Europe), Daniel Kilper (Trinity College Dublin), Mir Ghoraihi (Gigasys Solutions).

Room: Sala 6

Workshop 12

Advancing Network Digital Twins (NDTs) for AI-driven 6G systems: Insights, applications, and cross-project synergies

TPC Co-Chairs: Sébastien Faye (LIST), Régis Decorme (R2M), Michael Dieudonne (Keysight Technologies), Javier Nuñez Fuente (Telefonica), Jose M. Alcaraz Calero (Aston University), Xavi Masip (UPC), Nikos Dimitriou (NCSR "Demokritos"), Chrysa Papagianni (University of Amsterdam), Giovanni D'Amore (Keysight Technologies), Pavlos Basaras (ICCS), Dr. Carlos Guimaraes (SIEM), Prof. Adlen Ksentini (EURECOM), Dr. Daniel Camps (I2CAT), Paweł Kryszkiewicz (Poznan University of Technology), Wissam Mallouli (Montimage), Phu Nguyen (SINTEF), Ioan Constantin Phu (Orange).

Room: Sala 4

Workshop 13

Resilience in 6G and beyond: Perspectives, Challenges, and Design Approaches

TPC Co-Chairs: Norman Franchi (Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany), Friedemann Laue (Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany), Nurul Mahmood (University of Oulu, Finland), Bho Matthiesen (Universität Bremen, Germany), Hirley Alves (University of Oulu, Finland).

Room: Sala 5

Workshop 14

Large-Scale Trials and Pilots: The Pathway from SNS JU Call 1 to R&I Workprogramme 2027

TPC Co-Chairs: Alex Kaloxylas (6G IA), Colin Wilcock (Nokia), Didier Bourse (Nokia), Haesik Kim (VTT), Jose Almodovar (TNO), Raffaele de Peppe (TIM), Kostas Trichias (6G IA), Paul Harris (VIAVI Solutions), Pavlos Basaras (ICCS-NTUA), Xenofon Vasilakos (ICCS-NTUA).

Room: C2.2

Workshop 15

Brains in the Loop: Neuromorphic Computing in Future Communication Systems

TPC Co-Chairs: Sebastian Karl (Fraunhofer IIS), Fariborz Derakhshan (Nokia Bell Labs), Leonidas Richter (Fraunhofer IIS), Eike Edelmann (KIT), Konstantinos Nikitopoulos (6G Innovation Centre, University of Surrey).

Room: Sala 3

Workshop 16

International Cooperation in Artificial Intelligence for 6G Networks

TPC Co-Chairs: Serge Fdida (SU), Anastasius Gavras (Eurescom), Abhimanyu Gosain (Northeastern University, USA), Odysseas Pyrovolakis (SNS-JU), Daniel Kilper (TCD), Luis Pessoa (INESC TEC), Antonio de la Oliva (UC3M), Marie-José Montpetit (SLICES-RI), Stavroula Maglavera (UTH), Michael Dieudonne (Keysight), Raymond Knopp (Eurecom), Michele Polese (Northeastern University), Ivan Seskar (Rutgers), Thomas Magedanz (TUB), Navid Nikaein (Eurecom), Didier Bourse (Nokia), Panayiotis Andraou (UCyprus), Aki Nakao (University of Tokyo), Jongwon Kim (GIST, KR), Jose Rezende (RNP), Raffaele Bruno (CNR), Joyce Mwangama (UCT), Damien Saucez (INRIA), Sebastian Gallenmuller (TUM), Marinos Charalabides (SNS-JU), Manuel Ricardo (Porto University).

Room: C2.1

Workshop 9

Bridging Research, Software and Standards towards AI-Native networks

TPC Co-Chairs: Dimitris Tsolkas, Silvia Almagia, Christos Tranoris, Ricard Vilalta, Ramón Agüero, Ioana Dragus, Souvik Paul, Andreas Gavrielides, George Makropoulos, Giacomo Bernini, Mohammed Al-Rawi, Antonio Skármeta, Maria Serrano.

Room: Sala 1

15:30 – 16:00 | Exhibition & Coffee Break – Exhibition, expositions and patio

Tuesday, 2 June 2026, 16:00 – 17:30

Continuation of Tutorial 4, Tutorial 2 and Workshops 9–16 (see above)

17:30 – 18:30 | Exhibition – Exhibition, expositions and patio

18:30 – 21:30 | Welcome Reception – Patio

Wednesday, 3 June 2026

Wednesday, 3 June 2026, 08:30 – 10:00

Convened Session 5

Chiptainability – A concept to integrate sustainability and microelectronics for 6G

Chair: Stefan Wunderer (Nokia, Univ. Würzburg, DE)

Room: C1.1

Convened Session 3

EURO-3C: Building Europe's first Federated Telco-Edge-Cloud Infrastructure

Chair: Miguel Gonzalez-Sancho (Head of Unit, European Commission), Arturo Torrealba (EURO-3C Project Coordinator – Telefónica), Manuel Lorenzo (EURO-3C Technical Manager – Ericsson), Souvik Sengupta (EURO-3C Sovereign Lead – IONOS), Silvia Almagia (EURO-3C Standardization Lead – ETSI), Igor Lopez Orbe (EURO-3C Vertical Transport Manager – CAF), Christos Verikoukis (SOVEREIGN-6G Project Coordinator – Athina), David Lund (EURO-3C Vertical PPDR Manager – PSC Europe).

Room: C1.2

PHY-1: ISAC

Chair: M. Carmen Aguayo (Universidad de Málaga, Spain)

Room: C2.1

AI4C-1 : AI/ML Solutions for Communications

Chair: Riccardo Trivisonno (Huawei Technologies Duesseldorf GMBH, Germany)

Room: C2.2

Special Session 3

SLICES-RI: Experimenting the Next-Generation Digital Technologies

Room: Sala 1

Special Session 2

ISAC – Integrated Sensing and Communications Towards 6G

Room: Sala 2

CMA-1: Reconfigurable RF and mmWave Systems for FR1-FR3: Circuits, Intelligent Surfaces, and Sensing

Chair: Luis M. Pessoa (INESC TEC & Faculty of Engineering, University of Porto, Portugal)

Room: Sala 3

NVS-1: 6G Business, Policy, Regulation & Societal Impact

Chair: Lars Christoph Schmelz (Nokia, Germany)

Room: Sala 4

WOS-1: Wireless, Optical and Satellite Networks

Chair: David Larrabeiti (Universidad Carlos III de Madrid, Spain)

Room: Sala 5

AIU-1: Applications, IoT, Use cases

Chair: Foteini Setaki (Hellenic Telecommunications Organization, Greece)

Room: Sala 6

NET-1: Network Softwarisation

Chair: Anna Brunstrom (Karlstad University, Sweden & University of Malaga, Spain)

Room: Dirección de Certámenes

OPE-1: Operational & Experimental Insights

Chair: David Gomez-Barquero (Universitat Politecnica de Valencia, Spain)

Room: Sala 12

10:00 – 10:30 | Exhibition & Coffee Break – Exhibition, expositions and patio

Wednesday, 3 June 2026, 10:30 – 11:30

Conference opening

Room: Auditorium

Wednesday, 3 June 2026, 11:30 – 12:15

Keynote I: Transforming Telecom Networks: From Infrastructure to Intelligent Platforms

Chair: Ivan Seskar (WINLAB, Rutgers University, USA)

Speaker: Cayetano Carbajo Martín, Telefónica, ES

Room: Auditorium

Wednesday, 3 June 2026, 12:15 – 13:00

Keynote II: Building the 6G/AI intelligent fabric for tomorrow's society, Magnus Frodigh (Group Function Technology, Ericsson Research, SE)

Chair: Ivan Seskar (WINLAB, Rutgers University, USA)

Speaker: Magnus Frodigh, Group Function Technology, Ericsson Research, SE

Room: Auditorium

13:00 – 14:30 | Exhibition & Lunch + Startup Pitches & Demos – Exhibition, expositions and patio

Wednesday, 3 June 2026, 14:30 – 15:00

Poster Session I

Room: Exhibition, expositions and patio

Wednesday, 3 June 2026, 15:00 – 16:30

Panel I: Connected Intelligence: when 6G and AI meet

Moderator: Daniel Kilper, Trinity College Dublin, IE

Room: Auditorium

16:30 – 17:00 | Exhibition & Coffee Break – Exhibition, expositions and patio

Wednesday, 3 June 2026, 17:00 – 18:30

Convened Session 2

The SME Factor in Europe's Sovereignty

chair Colin Willcock (6G-IA)

Room: C1.1

Convened Session 4

UNICO Advanced 5G and 6G R&D Programme in Spain

Chair: Pedro Merino (University of Málaga, ES)

Room: C1.2

PHY-2: ISAC, Radar and Localization

Chair: Teresa María Martín-Guerrero (University of Málaga, Spain)

Room: C2.1

AI4C-2: AI/ML Solutions for Communications

Chair: Harilaos Koumaras (NCSR Demokritos, Greece)

Room: C2.2

Special Session 11

Networks in the AI Era

Chairs: Harish Viswanathan, Mikko Uusitalo (Nokia Bell Labs)

Room: Sala 1

Special Session 5

Global 6G Testbed Collaboration for Open, Intelligent, and Interoperable Innovation

Organiser: Pang-An Ting (ITRI, TW)

Room: Sala 2

CMA-2: mmWave and SubTHz Components and Systems

Chair: Nuutti Tervo (University of Oulu, 6G Flagship, Finland)

Room: Sala 3

NVS-2: 6G Network Technology, Architecture & Infrastructure

Chair: Marja Matinmikko-Blue (University of Oulu, Centre for Wireless Communications, Finland)

Room: Sala 4

WOS-2 : Wireless, Optical and Satellite Networks

Chair: Alessandro Vanelli-Coralli (University of Bologna, Italy)

Room: Sala 5

AIU-2 : Applications, IoT, Use cases

Chair: Jesús Gutiérrez (IHP - Leibniz-Institut für Innovative Mikroelektronik, Germany)

Room: Sala 6

NET-2 :Network Softwarisation

Chair: Johann Marquez-Barja (University of Antwerpen & IMEC, Belgium)

Room: Dirección de Certámenes

OPE-2 : Operational & Experimental Insights

Chair: Spyros Denazis (University of Patras, Greece)

Room: Sala 12

18:30 – 19:15 | Exhibitions – Exhibition, expositions and patio

Thursday, 4 June 2026

THURSDAY 4

Thursday, 4 June 2026, 09:00 – 09:45

Keynote III: Planning and operating secure and resilient networks

Chair: Luis M. Correia (IST / INESC INOV-Lab, University of Lisbon, Portugal)

Speaker: Carmen Mas-Machuca, Univ. Bundeswehr Munich, DE

Room: Auditorium

Thursday, 4 June 2026, 09:45 – 10:30

Keynote IV: When Networks Sense: AI-enabled Optical Networks for Situational Awareness and Resilient Infrastructure

Chair: Luis M. Correia (IST / INESC INOV-Lab, University of Lisbon, Portugal)

Speaker: Marco Ruffini, Trinity College Dublin, School of Computer Science and Statistics, IE

Room: Auditorium

10:30 – 11:00 | Exhibition & Coffee Break – Exhibition, expositions and patio

Thursday, 4 June 2026, 11:00 – 12:30

Convened Session 1

6G International R&I Landscape: Regional Priorities, insights and Global convergence towards Future Smart Networks and Services

Chair: Kostas Trichias (6G-IA), Alexandros Kaloxylou (6G-IA)

Room: C1.1

Convened Session 6

Leadership, Visibility and Impact in Research and Innovation

Chair: Bahare Masood Khorsandi (Nokia, DE), Marie-Helene Hamon (Orange, FR), Irene Alepuz Benaches (UPV, ES), Pooja Mohnani (EURESCOM), Audrey Bienvenu (EURESCOM), Carole Manero (IDATE), Didier Bourse (Nokia, FR).

Room: C1.2

Special Session 1

Redefining Connectivity: Multidisciplinary Approaches to 6G through Ultra-Massive MIMO and Intelligent Sensing

Room: C2.1

Special Session 6

From Principles to Practice: Embedding Sustainability in 6G Standardisation

Room: C2.2

PHY-3: MIMO, Beamforming and Channel Estimation

Chair: Pawel Kryszkiewicz (Poznan University of Technology, Poland)

Room: Sala 1

AI4C-3. : AI/ML Solutions for Communications

Chair: Harilaos Koumaras (NCSR Demokritos, Greece)

Room: Sala 2

PHY-4: Measurement, channel and propagation

Chair: Aggelos Bletsas (Rutgers University & WINLAB, USA)

Room: Sala 3

AI4C-4: AI/ML Solutions for Communications

Chair: German Corrales Madueno (Keysight Technologies,)

Room: Sala 4

WOS-3: Wireless, Optical and Satellite Networks

Chair: Lena Wosinska (Chalmers University of Technology, Sweden)

Room: Sala 5

SAQ-1: Quantum Technologies and Applications

Chair: Diego Lopez (Telefonica, Spain)

Room: Sala 6

NET-3: Network Softwarisation

Chair: Aggelos Bletsas (Rutgers University & WINLAB, USA)

Room: Dirección de Certámenes

OPE-3: Operational & Experimental Insights

Chair: Aloizio Da Silva (Virginia Tech, USA & Commonwealth Cyber Initiative, USA)

Room: Sala 12

Thursday, 4 June 2026, 12:30 – 13:00

Poster Session II

Room: Exhibition, expositions and patio

13:00 – 14:30 | Exhibition & Lunch – Exhibition, expositions and patio

Thursday, 4 June 2026, 14:30 – 16:00

Panel II: Architectural Transformation towards 6G: Standardization Landscape, Enablers, and Challenges

Moderator: Ömer Bulakci, Nokia, DE

Room: Auditorium

PhD Awards Session

Chair: Lena Wosinska (Chalmers University of Technology, Sweden)

Room: Sala 9

16:00 – 16:30 | Exhibition & Coffee Break – Exhibition, expositions and patio

Thursday, 4 June 2026, 16:30 – 18:00

Convened Session 8

Spectrum Management in Europe: Bridging Regulatory Practice and Research

Room: C1.2

Special Session 8

Next Generation Healthcare: High Density 6G Connectivity for Agents, Sensors, and Virtual Care Ecosystems

Room: C2.1

Special Session 10

Unified Terrestrial and Non-Terrestrial Networks for 6G: Towards Seamless 3D Connectivity

Room: C2.2

Special Session 12

France6G

Room: C1.1

PHY-5: Coding and energy efficiency

Chair: Haris Gačanić (RWTH Aachen University, Germany)

Room: Sala 1

AI4C-5 : AI/ML Solutions for Communications

Chair: Carlos J. Bernardos (Universidad Carlos III de Madrid, Spain)

Room: Sala 2

PHY-6:Near-field, THz and advanced communications

Chair: Adam Flizikowski (IS-Wireless)

Room: Sala 3

AI4C-6 : AI/ML Solutions for Communications

Chair: Sergio Fortes (University of Málaga, Spain)

Room: Sala 4

WOS-4: Wireless, Optical and Satellite Networks

Chair: Laura Panizo (University of Málaga)

Room: Sala 5

SAQ-2: Security Architectures and Processes I

Chair: Rodrigo Roman Castro (University of Malaga, Spain)

Room: Sala 6

NET-4: Network Softwarisation

Chair: Ramon Aguero (University of Cantabria, Spain)

Room: Dirección de Certámenes

AIU-3: Applications, IoT, Use cases

Chair: Marc Emmelmann (Fraunhofer FOKUS, Germany)

Room: Sala 12

Startup Awards Session

Chair: Francisco-Javier Rivas Tocado (Universidad de Malaga & Keysight Technologies, Spain)

Room: Sala 9

20:00 – 22:00 | Gala Dinner – Museo del Automóvil, Av. de Sor Teresa Prat, 15, Málaga

Friday, 5 June 2026

FRIDAY 5

Friday, 5 June 2026, 09:00 – 10:30

Convened Session 7

Network Europe Strategic Research and Innovation Agenda 2026

Room: C1.1

Convened Session 9

6G Research into standardisation: Maximising European impact through collaboration, examples of success stories

Room: C1.2

Special Session 7

Cascaded Funding in SNS Program – Accomplishments, Challenges, and Future Potential

Room: C2.1

Special Session 9

Architecture Advancements towards 6G: Pre-Standardization, Key Technology Enablers, and Facing Challenges

Room: C2.2 / Sala 2

PHY-7: Reconfigurable Intelligent Surfaces

Chair: Mikko A. Uusitalo (Nokia Bell Labs, Finland)

Room: Sala 1

AI4C-7: AI/ML Solutions for Communications

Chair: Tommy Svensson (Chalmers University of Technology, Sweden)

Room: Sala2

PHY-8: Waveforms and modulation

Chair: Ana Garcia Armada (Universidad Carlos III de Madrid, Spain)

Room: Sala 3

AI4C-8 : AI/ML Solutions for Communications

Chair: Francisco Luna (Universidad de Málaga, Spain)

Room: Sala 4

WOS-5: Wireless, Optical and Satellite Networks

Chair: Delia Rico (University of Málaga, Spain)

Room: Sala 5

SAQ-3: Security Architectures and Processes II

Chair: Ivan Seskar (WINLAB, Rutgers University, USA)

Room: Sala 6

Special Session 4 – Robust-6G: Advancing Security and Automation for Next-Generation 6G Networks

Technical paper session – multiple tracks

Room: Dirección de Certámenes

Multiple Tracks

Chair: Francisco-Javier Rivas Tocado (Universidad de Malaga & Keysight Technologies, Spain)

Room: Sala 12

10:30 – 11:00 | Exhibition & Coffee Break – Exhibition, expositions and patio

Friday, 5 June 2026, 11:00 – 12:30

Panel III: Sustainability in 6G business

Moderator: Marja Matinmikko-Blue, Univ. of Oulu / 6G Flagship, FI

Room: Auditorium

Friday, 5 June 2026, 12:30 – 12:45

Closing Session

Room: Auditorium



SMEs DEMOS



What can you demo?

SME Demos can include demos from technical products and services, research projects, and collaborations with external partners — such as industrial or governmental — among others.



Why participate?

Showcase your demos and innovations to researchers worldwide and to industry leaders, increasing the visibility of your work and enabling networking around it.



Booth logistics

SME Demos booths will be located in the main hall where coffee and lunch breaks will be held. Each booth is supposed to have at least one person present, at least during breaks, in order to present the demonstration to attendees.

LOCATION

Main hall

PRESENCE REQUIRED

During breaks

DURATION

All main days

Audience & reach

Beyond the live conference audience, demos will be promoted through the conference communication activities, reaching a wider audience of researchers, innovators, and industry professionals worldwide.

Join us and exhibit your business at the
SME Booth!

SPEAKER CORNER



What is the Speakers Corner?

An opportunity for exhibitors to apply for a 5-minute pitch during breaks, giving them one more means to reach the audience beyond their booth.



Who can apply?

All exhibitors taking part in Exhibitions and Demos, Universities Demos, or SMEs Demos are eligible to apply for a pitch at the Speakers Corner.



Setup & format

The Speakers Corner will be equipped with a screen, microphone, and an elevated stage, so that speakers can comfortably share their views with the audience during the conference breaks in the main hall.

PITCH DURATION

5 minutes

HELD DURING

Breaks

EQUIPMENT

Screen + mic

Exhibitions & visibility

The conference hosts Exhibitions and Demos, Universities Demos, and SMEs Demos for the entire main conference days in the main hall. During breaks, exhibitors interact directly with attendees — and the Speakers Corner adds a further channel to maximise that reach.

Join us at the EuCNC & 6G Summit's special Speakers Corner!

EuCNC | 6G Summit

Málaga, Spain • 2-5 June 2026

POSTER SESSION



What are Extended Abstracts?

Extended Abstracts for Poster Sessions are intended for the presentation of initial results worthwhile showing to the community — a lighter format to share early-stage work.



Review process

Extended Abstracts will be light-reviewed by the Technical Programme Committee (TPC), ensuring quality while keeping the submission process accessible.



Session format

Poster Sessions will be held during the normal conference days with dedicated time slots. There will be no parallel sessions running alongside them, ensuring full audience attention for all poster presenters.

WHEN

Conference days

PARALLEL SESSIONS

None

REVIEW

Light TPC

Dedicated time slots

Poster Sessions have their own dedicated slots with no competing parallel sessions — giving presenters the best chance to engage with the full conference audience and share their initial findings with the community.



EXHIBITION AND DEMOS

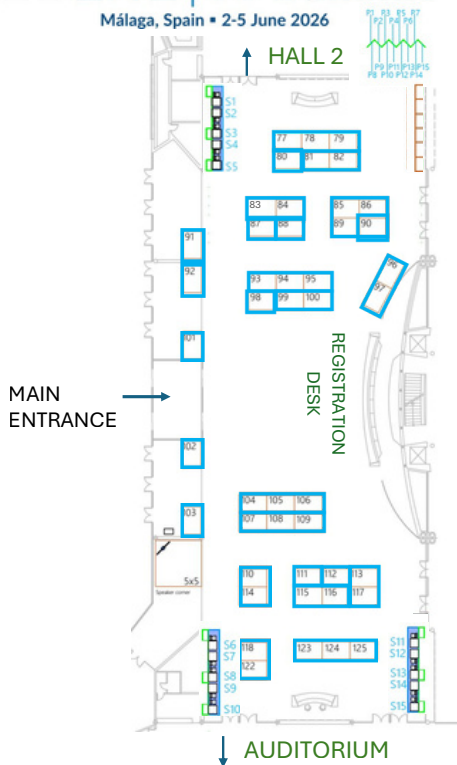
EXHIBITION FLOOR PLAN – HALL 2



#	EXHIBITOR
1, 2	EXIGENCE
3	MARE
4	Cogninn
5, 6	MultiX-6G / PRIME-6G
7, 8	ORIGAMI
9, 10	TERRAMETA
11	6G-DISAC
12	SLICES-RI
13	EU SNS-JU 6G-Cloud
14	AMBIENT-6G
15, 16	6G-SENSES
17, 18	CONVERGE
19, 20	iSEE-6G
21, 22	INSTINCT
23, 24	OAIBOX
25, 26	6G-BRICKS
27, 28	6G-DALI
29, 29A, 30, 37, 37A, 38	6G Platform Germany
31	BubbleRAN
32	6G-INTENSE
33	FLECON-6G
34	ADROIT-6G
35, 36	SUNRISE-6G

#	EXHIBITOR
39, 40	RAVE Aerospace / NexaSphere
41	Open6G+AI
42	COREMAT-6G
45	Imperial College London
46	Ranplan Wireless - TeraWireless
49, 50	Amazing6G
53, 53A	FIDAL
54	ALLEGRO
55	F6S/6G-LEADER
56	TOAST
57, 58	ENVELOPE
59, 60	6G-GOALS
61	UNITY-6G
62	SAFE-6G
63, 64	ASELSAN / Military 5G MANET Data Link
65	6G-SANDBOX
66	Keysight Technologies
67	VirginiaDiodes Inc.
68	MathWorks
69, 70, 73, 74	ITRI
71, 72	SUSTAIN-6G
75	6G-TWIN
76	ELASTIC

EXHIBITION FLOOR PLAN – MAIN HALL



#	EXHIBITOR
77, 78, 79	Future NetworksFrench Research Programme
80	IMEC/Ghent University - SMART-STRIP
81, 82	France 6G
83, 84	ROBUST-6G
85, 86, 89	CONNECT / JOINER
87	ETSI
88	Vodafone Intelligent Solutions España
90	EuCNC & 6G Summit 2027 Dublin
91	iTrust6G
92	CHEDDAR hub
93, 94, 95	Hellenic Telecommunications Organization S.A. / 6G-PATH
96, 97	Network Softwarization and Security Labs (NetsLab)
98	i2CAT
99, 100	Telefonica
101	University of Surrey
102	Rohde & Schwarz
103	Dekra
104, 105, 106	European Commission
107, 108, 109	Ericsson
110, 114	Nokia Solutions and Networks Oy
111	ISLAND
112	Software Radio Systems Limited (SRS)
113, 117	6G-EWOC
115, 116	NATWORK
118, 122	University of Málaga
123, 124, 125	6G-VERSUS / 6G Flagship

#	UNIVERSITY BOOTHS
S1	UniversityCollegeDublin, Ireland
S2	Politehnica University Timişoara
S3	Instituto Politécnico de Castelo Branco (IPCB)
S4	University College Dublin, Ireland
S5	University of Surrey / United Kingdom
S6	University of Surrey, 6G Innovation Centre, UK
S7	University of Oulu
S8	Centre for Wireless Communication, University of Oulu, Finland
S9	University of Oulu
S10	Denmark
S11	TU Dortmund, Chair of Communication Networks
S12	Ghent University (IDLab)/ IMEC, Belgium
S13	IDLab-imec-University of Antwerp, Belgium
S14	University of York / UK
S15	University College Dublin, Ireland / TITAN

#	POSTER BOOTHS
P1	Future Network Services
P2	Future Network Services
P3	VariSAC
P4	Cheddar Hub
P5	8ra
P6	PAISES-6G
P7	PRIME-6G
P8	OPTI-6G
P9	6G REFERENCE
P10	6GTandem
P11	GENIUS
P12	PIONEERS-6G
P13	PROSPERO
P14	6G Holonet
P15	6G-CARE

EXHIBITION AND DEMOS

Booth 1, 2



Exigence

The rapid growth of 5G/6G networks demands a shift from isolated optimisations to a systemic, end-to-end approach for reducing ICT carbon footprints. The EXIGENCE project addresses this by integrating network-level efficiency with user awareness. This demonstration showcases a holistic architecture that tracks real-time carbon metrics for services like video streaming and AI/LLM inference, using data to drive load balancing between high-performance and eco-friendly variants. Beyond backend optimisation, the demo illustrates how transparent eco-data and incentive mechanisms – such as 'eco-points' – can empower sustainable user behaviour without compromising performance.

Website: <https://projectexigence.eu/>

Mare is an SNSJU initiative dedicated to establishing a unified, proactive security framework for the next generation of mobile networks. As 6G architectures shift toward highly distributed, virtualized and disaggregated environments, MARE addresses the expanded attack surface by introducing a security plane built on "atomic" security primitives (DOTs) that can be dynamically composed into modular Security Functions (SFs). By integrating advanced Artificial Intelligence, Intent-Based Networking (IBN) and a specialized Preassessment Stress Testing Environment (PASTE) utilizing Network Digital Twins, the project enables security orchestration that can predict and mitigate threats before they impact the live infrastructure. Ultimately, MARE ensures end-to-end resilience, data privacy and system integrity across the entire 6G landscape – from the core to the extreme edge, fostering a trustworthy digital ecosystem for European industry and society. Website: <https://mare6g.eu/>

Booth 3



MARE (Programmable, Modular and Disaggregated Security Plane for 6G Ecosystems)

Booth 4

Cogninn



Cogninn develops virtualized and intelligent 6G mobile networks.

Website: <https://cogninn.com>

EXHIBITION AND DEMOS

Booth 5, 6



PRIME-6G
Pilot for Resilient Industrial
Manufacturing Environments
with 6G Technologies

MultiX-6G / PRIME-6G

ORIGAMI aims at spearheading the next-generation of mobile network architecture, overcoming eight factual barriers to ensure a successful 6G future. With three critical architectural innovations – Global Service-based Architecture (GSBA), Zero-Trust Exposure Layer (ZTL), and Compute Continuum Layer (CCL) – ORIGAMI strives to create global single standards, promote green transition, boost affordability and accessibility, and inspire ground-breaking applications and fresh business models.

Website: <https://sns-origami.eu/overview/>

The MultiX project aims to revolutionize the 3GPP Radio Access Network (RAN) design and operation by developing a pioneering MultiX fusion Perceptive 6G-RAN system (MP6R) that will support an integrated multisensor, multi-static, multi-band, and multi-technology paradigm to enable multi-sensorial perception for future 6G sensing applications. To fully address the 6G Sustainability goals, MultiX will explore AI's full potential across all layers of the MP6R and develop an energy efficient AI architecture for adaptive ISAC transmitter/receiver and distributed learning with a novel low power AI engine design.

PRIME-6G (Pilot for Resilient Industrial Manufacturing Environments with 6G Technologies) addresses the enablement of key 6G technologies in advance manufacturing vertical industries towards production batch one. The project will develop and validate an integrated E2E Sustainable Platform Blueprint integrated 6G architecture based on a Cloud-Edge Continuum, enabling seamless and agile service provisioning.

Website: <https://multix-6g.eu/news/multi-x-and-prime-6g-joint-booth-at-eucnc-2026>

Booth 7, 8



ORIGAMI

Booth 9, 10



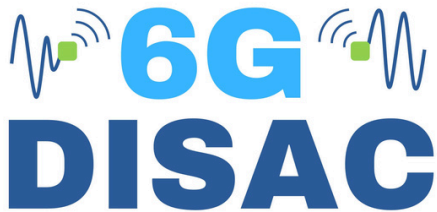
TERRAMETA

Reconfigurable Intelligent Surfaces (RIS) have emerged as a key enabling technology to overcome the challenges of wireless propagation by actively shaping the wireless environment. However, most RIS demonstrations remain confined to static laboratory setups and do not yet address realistic, mobile, data-intensive use cases. This demonstration addresses that gap by showcasing a live, operational 140 GHz RIS-assisted wireless link integrated with a real robotic platform. High-bandwidth 3D point-cloud sensor data is transmitted wirelessly over the THz link and processed in real time to support the use of AI digital twin pipelines at the edge. The demo highlights how RIS-enabled THz communications can move beyond theory into deployable, application-driven 6G systems.

Website: <https://terrameta-project.eu/>

EXHIBITION AND DEMOS

Booth 11



The 6G-DISAC project develops and validates Distributed Intelligent Sensing and Communication (DISAC), a 6G paradigm where heterogeneous nodes cooperatively sense the environment and combine distributed processing with adaptive radio sensing and AI/ML-driven orchestration. Moving beyond connectivity, 6G-DISAC enables context-aware services where networks act as both communication and perception platforms. The project delivers key innovations to make distributed ISAC practical and scalable. It optimizes adaptive waveforms and physical-layer parameters for sensing and localisation, including AI-native cooperative designs leveraging reconfigurable intelligent surfaces (RIS). Advanced receiver-side inference enables real-time distributed localisation, tracking, and mapping of passive objects and users. Sensing information is tightly integrated into communication functions, enhancing beam management, handover, and full-duplex operation. In parallel, protocols and orchestration mechanisms coordinate heterogeneous sensing roles, reduce overhead, and enable learning-based operation. By combining sensing, communication, and intelligence, 6G-DISAC paves the way for safer, more efficient, and sustainable 6G applications.

6G-DISAC

Website: <https://www.6gdisac-project.eu/>

SLICES is a flexible platform designed to support large-scale, experimental research focused on networking protocols, radio technologies, services, data collection, parallel and distributed computing and in particular cloud and edge-based computing architectures and services. Website: <https://www.slices-ri.eu/>

Booth 12



The EU SNS-JU 6G-Cloud project researches, develops and validates key technologies to achieve an AI-native and cloud-friendly 6G system architecture on top of the cloud continuum. It goes beyond current 5G architecture design by introducing a service-oriented architecture across a multi-stakeholder cloud environment spanning from extreme edge to central clouds. The 6G-Cloud architecture develops an end-to-end Service-Based Architecture that extends beyond the Core into the Radio Access Network and management domains. The design unifies the Network Services, Management and Orchestration Framework, Cloud Continuum Framework and AI/ML Framework through standardized interfaces deployed across the Cloud-Edge-Far-Edge continuum. Website: <https://www.6g-cloud.eu>

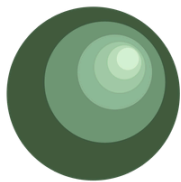
Booth 13



EU SNS-JU 6G-Cloud

EXHIBITION AND DEMOS

Booth 14



AMBIENT-6G

AMBIENT-6G

Emerging 6G Radio Access Network (RAN) technologies pose challenges in energy efficiency, power consumption, and communication, particularly at high data rates. The EU-funded 6GSENSES project aims to address these challenges by integrating innovative 6G RAN technologies, such as Cell-Free (CF), Massive Multiple-Input Multiple-Output (MIMO), and Integrated Sensing and Communication (ISAC), to establish a multi-technology RAN ecosystem with sensing capabilities. Within this framework, Sub-6, WiFi, millimetre-wave, and 5G NR technologies will coexist, enabling the retrieval of comprehensive environmental information to enhance energy efficiency and facilitate high data rate communication. Leveraging Reconfigurable Intelligent Surfaces (RISs), the project will improve availability and sensing performance, incorporating distributed signal processing and resource allocation schemes optimised for RIS-assisted CF network architecture. Website: <https://6g-senses.eu/>

Limited autonomy of battery-powered IoT devices drives up maintenance costs, increases system complexity, and compromises long-term reliability. AMBIENT-6G overcomes this by evolving the concept of Ambient-IoT (AloT). A-IoT devices harvest energy or leverage RF wireless power transfer, enabling decades-long operation without battery replacements. However, the tiny energy budget introduced by energy harvesting poses significant operational challenges. AMBIENT-6G aims to solve these by innovating in three main areas: (i) a holistic hardware/software low-power AloT device architecture, (ii) a 6G network that enables low-power active and passive connectivity, as well as wireless power transfer, and (iii) A-IoT integration into the device-edge-cloud continuum. Website: <https://www.ambient-6g.eu/>

Booth 15, 16



6G-SENSES

Booth 17, 18



CONVERGE

The CONVERGE project develops a novel toolset under the vision of "view-to-communicate and communicate-to-view", enabling tight integration between sensing, perception, and wireless communications. The project brings together vision-aided large intelligent surfaces, vision-enhanced base stations (fixed and mobile), a radio-vision simulator with 3D environment modelling, and machine learning methods for multimodal data fusion, including radio signals, video, RF sensing, and traffic data. This integrated approach addresses key challenges in 6G systems, where communication networks are expected to become context-aware, adaptive, and tightly coupled with their surrounding environment. By combining sensing and communication, CONVERGE enables new capabilities such as environment-aware networking, improved localization, and enhanced situational awareness. Website: <https://converge-project.eu/>

EXHIBITION AND DEMOS

Booth 19, 20



iSEE-6G

Joint/Integrated Communication and Radar/Radio Sensing (JCAS/ICAS) unifies wireless communication and environmental sensing by using shared radio signals to transmit data and detect objects, motion, and relative location. Building on this concept, iSEE-6G proposes a Joint Communication, Computation, Sensing, and Power transfer (JCCSP) unified radio platform. It integrates advanced 6G technologies to support edge computation through task offloading, enabling efficient processing of complex or energy-intensive functions via cooperation and data fusion. Additionally, it incorporates RF-based wireless power transfer to deliver energy to devices without physical connections. Website: <https://isee6g.eu/>

The INSTINCT project is aimed at enabling globally sustainable, interactive, immersive, and intelligent 'beyond communications' 6G connectivity by developing three complementary but critical breakthrough technology pillars:

PILLAR I – “Sense-to-communicate”: to improve radio spectrum usage by leveraging sensing information

PILLAR II – “Communicate-to-sense”: to transform the wireless network into a smart ‘sense the world’ platform, capable of providing JCAS (Joint Communication and Sensing) -as-a-service functionalities

PILLAR III – Multi-functional JCAS Network Intelligence: to optimise the architecture, resources, propagation and waveforms aided by AI for wireless JCAS systems.

INSTINCT aspires to deliver the theoretical framework and relevant Key Performance Indicators (KPIs), waveforms, protocols and hardware (HW) design of an innovative beyond communications 6G architecture, leveraging Reconfigurable Intelligent Surfaces (RIS) and AI / ML (artificial intelligence/ machine learning). INSTINCT, by means of its 3 pillars is establishing the foundations for a new ICST (Information Communications and Sensing Technologies) era, where IoT meets ICT.. Website: <https://instinct-6g.eu/>

Booth 21, 22



INSTINCT

EXHIBITION AND DEMOS

OAIBOX is a powerful, GPU-accelerated open-source testbed, designed to enable 5G/6G advanced research and real-world experimentation. It integrates a complete 5G stack, including gNB, 5G Core, and UE, within a single compact system, simplifying setup and operation. The platform features a high-performance NVIDIA GPU, supporting demanding edge AI training and real-time inference. With its intuitive OAIBOX dashboard, users can easily control, orchestrate, and monitor the network in real time. Additionally, it supports GPU partitioning via NVIDIA MIG and enables real-time digital twin simulations using NVIDIA Sionna Ray Tracer, offering a flexible and scalable environment for AI-native 6G research. Website: <https://www.oaibox.com>

Booth 23, 24



OAIBOX

Booth 25, 26



6G-BRICKS

6G-BRICKS brings together specialists on breakthrough 6G technologies, such as cell-free networking, distributed processing and Reconfigurable Intelligent Surfaces (RIS), and adopting principles of modularity and softwarization to deliver the first truly modular end-to-end 6G experimentation platform in Europe. 6G-BRICKS will structure the various architecture tiers around the concept of "LEGO Bricks", delivering self-contained testbed nodes that can be reused across testbed infrastructures. This significantly lowers the barrier of entry to an end-to-end experimentation platform for specialists to bring their breakthrough technologies for validation and experimentation. Website: <https://6g-bricks.eu/>

6G-DALI proposes a novel e2e AI framework that aims to connect 6G data with verticals and ML developers and experimenters, while relying on 6G testbeds selected from the flagship SNS C phase 2 (SUNRISE-6G) project. To this end, 6G-DALI is bringing together three communities: experts on the design and experimentation on 6G systems, experts on AI and MLOps with a good mix of industry and academic experience, and experts on DataOps and the Gaia-X community, that all collaborate to build an efficient, realistic, and trustworthy framework for e2e AI/ML experimentation for 6G. Website: <https://6gdali.eu/>

Booth 27, 28



6G-DALI

Booth 29, 29A, 30, 37, 37A, 38



6G Platform Germany The German Platform for Future Communication Technologies and 6G – Enabling Digital Sovereignty for the Citizens in a Hyperconnected World.

Website: <https://www.6g-platform.com/>

6G Platform Germany

EXHIBITION AND DEMOS

Booth 31



BubbleRAN

BubbleRAN helps organizations seamlessly build, operate, and automate private 4G/5G networks and service infrastructure – from lab to production. We combine standards-compliant O-RAN with cloud-native and AI-powered automation to deliver step-change flexibility and efficiency at scale. With deep expertise across 4G/5G systems, cloud-native operations, and intelligent network optimization, BubbleRAN is the trusted partner to accelerate your telco transformation. Website: <https://bubbleran.com/>

6G-INTENSE proposes a new System Architecture for 6G, to deliver "6G as a Smart Service Execution platform", fully in line with the vision of sustainable infrastructure sharing to reduce space and energy costs, and encouraging collaboration among all members of the value chain under a unified Network-Compute fabric. Key contribution is a novel automation architecture with a Native AI toolkit facilitating intent declaration, negotiation and decision automation across autonomous domains, termed as Distributed Intent-driven Management and Orchestration (DIMO). Moreover, Sensing is adopted as a key enabler, helping navigate the complexities and lack of reliability of the Deep Edge.

Website: <https://6g-intense.eu/>

Booth 32



6G-INTENSE

Booth 33



FLECON-6G

FLECON-6G presents the "intelligent 6G Network of Networks" vision with Trustworthiness and Generalisability of Native AI and NDT-assisted approaches considered as key objectives. FLECON-6G aims to deliver key assets in the form of collaborative and distributed frameworks offering scalability and support for multi-domain, multi-stakeholder infrastructures, jointly with network infrastructure programmability that supports the offloading of network application logic. Website: <https://flecon6g.eu/>

EXHIBITION AND DEMOS

Booth 34



ADROIT-6G

ADROIT6G aims to provide revolutionary research foundations for low TRL technology advancements in preparation for the upcoming 6G network architectures. In particular, to evolve the existing service-based architectures (SBA & SBMA) of 5G mobile networks, and design, implement and validate a fundamentally new approach for a future-proof, cognitive, nextgeneration 6G architecture by adopting a fully distributed AI-driven dynamic paradigm, with functional elements automatically deployed on-demand as virtual functions in cloud-native environments, across the far-edge, edge and cloud domains, operated by different stakeholders. This will ultimately lead to improved performance, higher level of control, increased transparency in interactions with digital services, true support of future-looking applications and social acceptance. Website: <https://adroit6g.eu/>

SUNRISE-6G is a scalable, open and standards-compliant approach to experimentation and vertical application deployment in a pan-European Federation of 6G infrastructures, that provides access to a comprehensive library of 6G enablers. This approach, leveraging and extending APIs from the Camara Initiative and GSMA OPG, provides a clear roadmap to 3GPP compliance and future Stream-D deployment. To this end, key participants from Stream C Phase-1 projects, Other SNS Phase 1 and National 6G initiatives, and SLICES-RI, as well as industrial partners with a proven standardization record and participation in the Camara Initiative, joined forces to codevelop, deploy and test the SUNRISE-6G solution. Website: <https://sunrise6g.eu/>

Booth 35, 36



SUNRISE-6G

Booth 39, 40

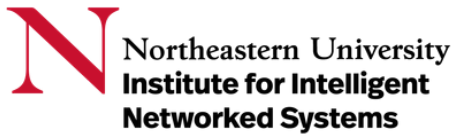


RAVE Aerospace / NexaSphere

RAVE Aerospace / NexaSphere NexaSphere is a Horizon Europe research and innovation project focused on designing and validating a unified three-dimensional (3D) communication network. It explores the integration of terrestrial (TN), non-terrestrial (NTN), and aerial systems to support future mobility and connectivity needs across aviation, automotive, and rail sectors. The project investigates architecture, orchestration, and technology components, with validation carried out through three domainspecific proof-of-concept demonstrations. Website: <https://www.NexaSphere.eu>

EXHIBITION AND DEMOS

Booth 41



Open6G+AI

The Institute for Intelligent Networked Systems (INSI) at Northeastern University is a transatlantic research nexus advancing the science and engineering of AI-native, networked systems that integrate communication, sensing, computation, and autonomy. Anchored by its hubs in Boston, USA and London, UK, INSI showcases technologies developed under the flagship Open6G + AI program. AgentRAN is a framework for autonomous Radio Access Network management; ALLSTaR is a scheduler synthesis and testing framework; and an AI-driven spectrum sensing and sharing system built on the O-RAN dApp framework, developed within the AI-RAN Alliance AI-forRAN working group.

Website: <https://insi.northeastern.edu/>

COREMAT-6G is a project funded by the Spanish programme UNICO I+D. It deals with the development and integration of RIS technology into Radio Access Networks. The demo will showcase some of the project's results and a live proof-of-concept of the application of chirp-based modulation schemes for pilotless ISAC systems in RIS-aided RAN configurations.

Booth 42



COREMAT-6G

Booth 45

IMPERIAL

Imperial College London

This demonstration showcases research from three major UK initiatives: the Hub in All-Spectrum Connectivity, TITAN, and the EPSRC project Beyond Diagonal Phase Shift Matrices. The work focuses on next-generation communication systems that integrate wired and wireless technologies to enable seamless, high-capacity connectivity. It explores advanced signal processing and reconfigurable system design to support flexible, low-latency, and efficient networks. These developments contribute to future 6G systems and beyond, with potential applications in intelligent infrastructure, distributed computing, and advanced sensing.

Website: <https://www.imperial.ac.uk/>

EXHIBITION AND DEMOS

Booth 49



This demonstration showcases the integration of digital twin technology with Terahertz (THz) ultramassive MIMO systems to enable Tbps data rates and sub-millisecond latency in future 6G networks. Exploiting the vast bandwidth of the THz spectrum, the system supports demanding applications such as AR/VR, holographic communications, autonomous systems, and smart manufacturing. A wireless digital twin continuously mirrors the physical THz network by collecting dynamic channel, multipath, and traffic data. It enables proactive beamforming, adaptive resource allocation, and energy-efficient optimization through closed-loop control and physics-aware learning. By combining THz communications with intelligent digital twin modeling, the demonstration illustrates how deterministic, ultra-high-performance 6G connectivity can be achieved.

Website: <https://www.ranplanwireless.com>

Ranplan Wireless – TeraWireless

AMAZING-6G proposes a novel set of 15 use cases in the domains of Healthcare, Public Safety, Energy and Transport (including Rail) which will be showcased in large-scale trials and pilots across Europe. Innovative technology enablers are planned to be developed and tested in the areas of Communications, Compute-as-a-Service, Applications and AI, IoT and localization. Security aspects will be taken into consideration in the development of solutions. Framed in this context, the significance of large-scale trials in B5G/6G networks lies not only in their ability to validate the technical capabilities of the technology but also in their capacity to unveil new use cases and applications that were previously inconceivable. Website: <https://amazing6g.eu/>

Booth 49, 50



AMAZING-6G

Booth 53



Long-term towards Evolved 5G and 6G research needs mobilization of massive volumes of ideas, from which the best can emerge and be adopted for standardization. With the extremely low latency and huge data capacity of Beyond 5G and 6G networks, the cyber and physical worlds could converge, allowing for the development of services like digital twins and internet of senses applications. This future ecosystem is on track to be more collaborative and inclusive than previous generations of network. FIDAL seeks to set the standard by fostering open architectures, large experimentation sites, and adopting a multi-stakeholder approach, thus it steps in, targeting the augmentation of human capabilities, enabling Media & PPDR vertical industry players to carry out advanced technological and business validation in large-scale trial facilities of highly innovative and advanced applications, that take full advantage of Evolved 5G technologies.

FIDFIDAL - Field Trials Beyond 5GAL Website: <https://fidal-he.eu/>

EXHIBITION AND DEMOS

Booth 54



ALLEGRO

ALLEGRO designs and validates an end-to-end sliceable, reliable, and secure architecture for next-generation optical networks, targeting 10 Tb/s optoelectronic devices and 1 Pb/s fiber systems with >25% reductions in power consumption and cost. It is enabled by smart coherent transceivers exploiting multi-band and multi-fiber technologies for P2P/P2MP applications; lowloss, energy-efficient transparent photonic switches eliminating OEO conversions; an integrated security framework combining advanced QKD, post-quantum cryptography, optical channel coexistence, and physically unclonable functions; and an AI/ML-assisted control and orchestration system enabling autonomous networking, dynamic service provisioning, and efficient resource allocation through increased programmability and network softwarization.

Website: <https://www.allegro-he.eu>

Booth 56



F6S / 6G-LEADER

6G-LEADER aims to support the RAN's transition toward AI-empowered, spectrum-efficient, and open 6G networks, designing a flexible and intelligent architecture for enhanced wireless connectivity. The project will advance wireless communications and signal processing technologies enabling smarter, faster, and greener wireless systems built on openness, interoperability, and innovation. Website: <https://6g-leader.eu/>

Booth 57



TOAST

The TOAST Doctoral Network, funded by the European Union's Horizon Europe research and innovation programme under the Marie Skłodowska-Curie Actions (MSCA) Doctoral Networks, focuses on the emerging interdisciplinary field of the Tactile Internet. By bringing together leading academic and industrial partners across six European countries, each contributing complementary expertise, the project aims to develop holistic, end-to-end solutions for touch-enabled Tactile Internet applications.

Website: <https://www.toast-dn.eu/>

EXHIBITION AND DEMOS

Booth 57, 58



ENVELOPE

The ENVELOPE project aims to advance and open up the reference 5G advanced architecture, and also to transform it into a vertical-oriented architecture with the necessary interfaces tailored to the CAM use cases that: (i) expose network capabilities to verticals, (ii) provide vertical-information to the network, and (iii) enable verticals to dynamically request and modify certain network aspects in an open, transparent and easy to use way. ENVELOPE delivers 3 large-scale B5G trial sites in Italy, the Netherlands and Greece, implementing functionalities tailored to CAM services, along with advanced exposure capabilities.

Website: <https://envelope-project.eu/>

The 6G-GOALS project advances a semantic-aware vision for 6G networks, where communication is driven by meaning and task objectives rather than raw data transmission. Within its framework, a novel architecture enabling distributed intelligence across the RAN, edge, and core is proposed, allowing communication, computation, and control to dynamically adapt to application needs. The project establishes key theoretical and algorithmic foundations for semantic-aware, resourceefficient, and actionable communication, particularly suited to constrained environments such as robotic control and model delivery. It also defines a pathway toward cross-domain orchestration, aligning system behaviour with semantic utility and application-level goals. These innovations are validated through Proofs of Concept on SDR and AI-enabled platforms, including a flagship demonstration in cooperative robotics. Website: <https://www.6ggoals.eu>

Booth 59, 60



6G-GOALS

Booth 61



UNITY-6G

UNITY-6G is an SNS project focused on tackling energy efficiency and sustainability challenges in networked services. The project leverages artificial intelligence, machine learning, and distributed ledger technologies to secure data exchange and foster trust between parties. It also explores various network access technologies, including non-terrestrial networks, non-public networks, and approaches like open radio access networks. The primary goal of UNITY-6G is to develop energyefficient, integrated network infrastructures that support the convergence and interoperability of heterogeneous domains, such as wireless networking, IoT, and mobile and distributed computing.

Website: <https://unity-6g.eu/>

EXHIBITION AND DEMOS

Booth 62



SAFE-6G

SAFE-6G is a European research project (HORIZON-JU-SNS-2023-STREAM-B-01-04), which pioneers a holistic research approach, situating a native trustworthiness framework atop the open and distributed USN/NSN-based 6G core, leveraging (X)AI/ML techniques to coordinate usercentric safety, security, privacy, resilience and reliability functions, strategically optimizing the Level of Trustworthiness (LoTw) as a pivotal Key Value Indicator (KVI) for 6G, while addressing specific trust requirements and data governance policies specified by each user/tenant/human-role throughout the entire 6G lifecycle, encompassing onboarding, deployment, operation and decomposition. The SAFE-6G consortium comprises 13 organisations from 6 European countries, encompassing 4 large industrial companies, 6 innovative SMEs, 1 research institute and 2 universities. Website: <https://www.safe-6g.eu/>

Through a live demo supported by a channel emulator, this demonstration showcases: relay based communication performance; adaptive routing and self-forming/self-healing MANET behaviour under topology changes; and system communication performance under jammer scenario and different conditions generated by the channel emulator. Website: <https://www.aselsan.com>

Booth 63, 64

aselsan

AELSAN / Military 5G MANET Data Link

Booth 65



6G-SANDBOX

6G-SANDBOX is a Horizon Europe funded research project (HORIZON-JU-SNS-2022-STREAMC-01-01). The 6G-SANDBOX project brings a complete and modular facility for the European experimentation ecosystem, which is expected to support for the next decade technology and research validation processes needed in the pathway towards 6G. The target is at technologies and research advances that span over the entire service provisioning chain, and refer to user/data, control and management planes.

EXHIBITION AND DEMOS

Booth 66



**Keysight Technologies Sales Spain,
S.L.U.**

At Keysight, we inspire and empower innovators to bring world-changing technologies to life. As an S&P 500 company, we're delivering market-leading design, emulation, and test solutions to help engineers develop and deploy faster, with less risk, throughout the entire product life cycle. Whether you're looking to accelerate 5G and 6G networks, autonomous vehicles, AI infrastructure, IoT, or quantum computing, our software-centric solutions serve across the design and development environment, enabling you to deliver tomorrow's breakthroughs with more speed and less risk. With Keysight at your side, engineer with confidence in our connected and dynamic world. Innovation starts here.

VDI manufactures state-of-the-art test and measurement equipment for mmWave and THz applications. These products include Vector Network Analyzer, Spectrum Analyzer and Signal Generator Extension Modules that extend the capability of high performance microwave measurement tools to higher frequencies. VDI's component products include detectors, mixers, frequency multipliers and custom systems for reliable operation at frequencies between 50 GHz and 2 THz. All VDI components include in-house fabricated GaAs Schottky diodes and microelectronic filter structures.

Booth 67



Virginia Diodes Inc.

Booth 68



MathWorks

MATLAB and Simulink are used as fundamental modeling and simulation tools for research and development wherever engineering and science is applied. More than 6,500 colleges and universities use MATLAB and Simulink for teaching and research. MathWorks products also help prepare students for careers in industry, where the tools are widely used for algorithm development, data analysis, visualization, and numeric computation. Website: <https://www.mathworks.com/>

EXHIBITION AND DEMOS

Booth 69, 70, 73, 74



ITRI

ITRI is a world-leading applied technology research institute with more than 6,500 employees. Its mission is to drive industrial development, create economic value, and enhance social well-being through technology R&D.

Founded in 1973, it pioneered in IC development and has been dedicated to nurturing new ventures and delivering its R&D results to industries. ITRI has incubated companies such as TSMC, UMC, Taiwan Mask Corp., Epistar Corp., Mirle Automation Corp., and Taiwan Biomaterial Co.

To remain at the forefront of innovation and address global challenges, ITRI focuses on the strategic R&D domains of Smart Living, Quality Health, Sustainable Environment, and Resilient Society, while enhancing Intelligentization Enabling Technologies to support these applications. The Institute strives to leverage technological innovations to inspire new lifestyles, engineer market-driven solutions, create uncontested spaces, and ultimately steer society toward a better future.

SUSTAIN-6G is the Sustainability Lighthouse project that creates a holistic perspective on sustainability in the 6G ecosystem, by integrating environmental, social and economic pillars with both, sustainable 6G technology and 6G technology for sustainable vertical applications – with a focus on agriculture, smart grids and e-health. SUSTAIN-6G drives the "Sustainability by Design" approach towards end-to-end systems, considering the full lifecycle of assets and services, and develops the framework and methodologies to assess and evaluate sustainability effects of future communication technologies.

Website: <https://www.sustain-6g.eu>

Booth 71, 72



SUSTAIN-6G

6G-TWIN aims to enable AI-native 6G systems by integrating Network Digital Twins (NDTs) for real-time optimisation, management, and control of future networks. It develops a reference architecture where digital replicas of network infrastructures support simulation, AI training, and pre-deployment validation of decisions. By combining AI, programmability, and distributed intelligence across the edge-cloud continuum, the project targets more efficient, adaptive, and sustainable networks. Demonstrations focus on teleoperated driving and energy optimisation. 6GTWIN is funded by the Smart Networks and Services Joint Undertaking under the Horizon Europe programme (Grant Agreement No. 101136314). Website: <https://6g-twin.eu/>

Booth 75



6G-TWIN

EXHIBITION AND DEMOS

Booth 76



ELASTIC

ELASTIC is a European project funded by SNS JU under Horizon Europe, addressing key challenges in 6G service orchestration across the cloud-edge continuum. Future 6G services will span highly distributed environments, from IoT devices and edge nodes to private and public clouds, requiring secure and efficient execution across heterogeneous platforms. ELASTIC introduces a novel framework that enables seamless execution from on-premise to edge and cloud by combining WebAssembly, eBPF, and Confidential Computing, supporting lightweight serverless deployment, real-time observability, and trusted execution. The approach is validated through two real-world demonstrators: a Smart Connected Factory and a privacy-preserving cloud migration scenario. Website: <https://elasticproject.eu>

The French government opted to support R&D through a Priority Research Programme and Equipment (PEPR) on 5G, 6G and Networks of the Future. This program was launched in May 2023, for a 6-year duration, and is organized into 4 axes:

- Network architectures and services: new network architectures and infrastructures, communication convergence, cloud, sensing, orchestration of multi-sector services
- Technology building blocks: electronic and photonic components, signal processing
- End-to-End systems: security, environmental impact, IoT services for verticals, theoretical foundations to support network optimization
- Platforms and demonstrators on the platforms of the future: organizing the pooling of resources and opening them up to the scientific community and industrial partners, with the aim of carrying out end-to-end characterizations.

We aim at demonstrating some of our key results, after three years of project, during this flagship European conference.

Booth 77, 78, 79



Future Networks French Research Programme

EXHIBITION AND DEMOS

Booth 80



IMEC/Ghent University – SMART-STRIP

SMART-STRIP aims at being the first to turn the new challenging multidimensional theoretical concept of cell-free distributed MIMO into a flexible, scalable and affordable E2E integrated solution that can be validated in realistic professional scenarios.

Website: <https://biblio.ugent.be/project/S006224N>

The France 6G serves as the national platform missioned by the National Acceleration Strategy on 5G and Future Networks under the France 2030 plan coordinated by the french ministry. It acts as a strategic bridge between innovation and industrial standardisation of 6G technologies. The mission seeks three core objectives :

- capacity building and raising awareness across the ecosystem about the challenges to reach the next generation of networks
 - support for the ecosystem and especially innovative SMEs and startups to link their innovations to the emerging technologies in standardisation.
 - efforts in European collaborations, specifically within the Smart Networks and Services Joint Undertaking (SNS JU) and broader EU R&D programs, to ensure French leadership at a continental scale.
- France 6G mission is hosted by Institut Mines-Télécom (IMT) and directed by Prof. Hakima Chaouchi. The national strategy on 5G and future networks which is coordinated by Charlotte Marelli from the french digital ministry.

Booth 81, 82



France 6G

SPONSOR

Booth 83, 84



ROBUST-6G

ROBUST-6G is a European research project (HORIZON-JU-SNS-2023-STREAM-B-01-04) that pioneers the development of data-driven, AI/ML-based security solutions, addressing the evolving challenges presented by the dynamic landscape of forthcoming 6G services and networks within the future cyber-physical continuum. Its mission encompasses not only advancing security measures but also safeguarding the integrity of AI/ML systems from potential security breaches and upholding the privacy rights of individuals whose data fuels these systems. The ROBUST-6G initiative extends to the promotion of green and sustainable AI/ML methodologies, aiming to optimize energy efficiency in 6G network design.

Website: <https://robust-6g.eu>

EXHIBITION AND DEMOS

Booth 85, 86



JOINER

JOINER (Joint Open Infrastructure for Networks Research) is an international-scale, open experimental platform designed to accelerate research, development, and innovation in future communications networks. Led by the University of Bristol, JOINER brings together a federation of more than 15 laboratories and testbeds across the UK into a single, coordinated infrastructure.

By providing access to real-world, end-to-end environments, JOINER enables researchers, industry, and innovators to design, integrate, and validate advanced connectivity technologies under realistic conditions and at scale. The platform supports the full innovation lifecycle, from early-stage experimentation through to system-level validation and technology readiness.

Powered by emerging AI capabilities, JOINER advances key areas including end-to-end network solutions, intelligent network automation, telco cloud architectures, spectrum utilisation, security, and non-terrestrial networks (NTN). Through its open and collaborative model, JOINER strengthens the UK's position as a global leader in next-generation connectivity, bridging the gap between research excellence and deployment-ready solutions.

Website: <https://joiner.org.uk/>

ETSI is an independent European Standards Organisation that develops global standards for worldwide connectivity. With more than 900 members from over 60 countries, ETSI hosts multiple Technical Committees, Industry Specification Groups (ISGs), and Software Development Groups (SDGs) that bridge research, industry, and policy. These groups play a key role in transforming European research results into global impact through standardisation and open-source collaboration. Visit the ETSI booth to explore a selection of demos hosted in the ETSI Cross SDG Lab – a collaborative environment for testing, validation, and experimentation across multiple SDGs – and meet the ETSI teams supporting Research and Open-Source communities.

Website: <https://www.etsi.org>

Booth 87



The Standards People

ETSI

EXHIBITION AND DEMOS

Booth 88



**Vodafone Intelligent Solutions
España S.L.U.**

Vodafone Group is a leading global telecommunications company providing mobile and fixed connectivity, digital services, and advanced network solutions across Europe and Africa. Vodafone operates in eight European markets, including Germany and the UK, and delivers services to the majority of European Union Member States. In Africa, the Group operates in eight markets through Vodacom, including South Africa and Kenya, and is also present in over 40 Partner Markets worldwide. The Group serves consumer, enterprise and public sector customers, supporting large-scale digital transformation through secure, reliable and high-performance connectivity. Vodafone's core capabilities span mobile and fixed networks, broadband and gigabit infrastructure, and end-to-end communication services. With extensive experience in deploying and operating large-scale, mission-critical networks, Vodafone continues to invest in next-generation technologies such as 5G, cloud-native network architectures, edge computing, Internet of Things (IoT) platforms and satellite-based connectivity, playing an active role in driving innovation and digital transformation across industries and ecosystems.



EXHIBITION AND DEMOS

The 2027 EuCNC & 6G Summit builds on two successful conferences in the area of telecommunications: EuCNC, in its 36th edition of a series, supported by the European Commission, and the 6G Summit, in its 9th edition, originated from the 6G Flagship programme in Finland, one of the very first in its area. The conference is sponsored by the IEEE Communications Society (ComSoc), the European Association for Signal Processing (EURASIP) and the European Association on Antennas and Propagation (EurAAP) and supported by the European Commission. The conference addresses various aspects of Beyond 5G/6G communications systems and networks. It brings together cutting-edge research and world-renown industries and businesses, globally attracting in recent years close to 1000 delegates from more than 40 countries all over the world, to present and discuss the latest results, and an exhibition with more than 80 exhibitors, for demonstrating the technology developed in the area, namely within research projects from EU R&I programmes.

Booth 89



Dublin, Ireland, 8-11 June 2027

EuCNC & 6G Summit 2027 Dublin

Booth 90



CONNECT Research Ireland Centre for Future Networks

The booth presents four demos from the 6G-XCEL and ECO-eNET SNS JU projects, and a fifth demo with the UK JOINER network: - 6G-XCEL: Digital Twin for Optical Network Control - 6GXCEL: SLA-aware Traffic Steering in Hybrid TN-NTN Networks - Eco-eNet: Mobility-Aware Network Planning - Eco-eNet: Fibre Sensing for Intelligent Edge Networks - JOINER: Distributed LLM Inference over Telecom Infrastructure Website: <https://www.connectcentre.ie>

Intelligent Trust and Security Orchestration for 6G Distributed Cloud Environments. Website: <https://www.sns-itrust6g.com/>

iTrust6G

Booth 91



EXHIBITION AND DEMOS

Booth 92



CHEDDAR's research focuses on the convergence of communication, cloud, and artificial intelligence, enabling networks that go beyond data transmission to become adaptive, autonomous, and context-aware. Key areas include AI-native network optimisation, integrated sensing and communications (ISAC), semantic communications, and sustainable, energy-efficient infrastructure.

At EuCNC, CHEDDAR will showcase a portfolio of live demonstrations highlighting real-world applications of 6G technologies. These include intelligent network control using AI, sensing-enabled wireless systems for healthcare and security, energy harvesting for sustainable connectivity, and semantic communication frameworks for mission-critical applications such as remote piloting. These demonstrations illustrate the transition from traditional connectivity towards connected intelligence, where networks can sense, learn, and act in real time to support resilient, efficient, and human-centric digital infrastructure. Website: <https://cheddarhub.org>

CHEDDAR hub

Hellenic Telecommunications Organisation S.A. (OTE), member of the Deutsche Telekom Group of Companies, is the incumbent telecommunications provider in Greece. OTE as the leading company of the OTE Group, offers its customers a wide range of technologically advanced services including fixed-line voice telephony and mobile telephony, internet access services, broadband services and ICT solutions in the residential and business market segments, including FTTH/VDSL, 5G/4G+, TV content, multimedia services, intelligent network services, IP-based hosting services, leased lines, maritime and satellite communications as well as a broad portfolio of value-added services. OTE invests heavily in new generation networks, boosting the Greek economy.

Website: <https://www.cosmote.gr/hub/> | <https://6gpath.eu/>

Booth 93, 94, 95



GROUP OF COMPANIES

**Hellenic Telecommunications
Organization S.A. / 6G-PATH**

Booth 96, 97



NetsLab



SHIELD-6G

Network Softwarization and Security Labs (NetsLab) at the UCD School of Computer Science is a dynamic research group leading the charge in enhancing the security and privacy of next-generation mobile networks, including 5G and 6G. NetsLab is coordinating Horizon Europe Evolution in Security and Privacy for 6G Networks (ENSURE-6G) and Scalable, Hybrid, and Intelligent End-to-End Defense for 6G Networks (SHIELD-6G) Projects.

Website: <https://netslab.ucd.ie/>

Network Softwarization and Security Labs (NetsLab)

EXHIBITION AND DEMOS

Booth 98



I2CAT

SPONSOR

The i2CAT research centre drives advanced digital solutions through applied research and world-class experimental infrastructures. With over 20 years of multi-technology expertise in 5G/6G, Cybersecurity, Artificial Intelligence, IoT, and Space Communications, the centre offers state-of-the-art laboratories and testbeds specifically designed to validate large-scale European projects. i2CAT generates a tangible impact by bridging the gap between the scientific community and private enterprise through high-TRL testing environments.

As a centre awarded with the 'HR Excellence in Research' seal by the European Commission, we ensure the highest standards of quality and reliability in international R&D collaborations.

Website: <https://i2cat.net/>

Telefónica is one of the world's leading telecommunications service providers. The company offers fixed and mobile connectivity services, is a global leader in fibre optics and offers a wide range of digital solutions for individuals and businesses. From this position, Telefónica aims to become the best gateway for citizens, businesses and public administrations to digital technologies. With over 326 million connections, its main markets are Spain, Brazil, Germany and the United Kingdom.

Website: <https://www.telefonica.es/es/>

Booth 99, 100



Telefonica

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**5»6G
INNOVATION
CENTRE**

UNIVERSITY OF SURREY

University of Surrey

The Institute for Communication Systems (ICS) at the University of Surrey, UK, is a leading research centre in wireless communications, driving innovation in 5G evolution and 6G systems through close collaboration with industry and academia. This demo presents a testbed implementation of Integer-Regularised OFDM (I-OFDM), a novel tone-injection technique that tackles the long-standing peak-to-average power ratio (PAPR) problem in OFDM waveforms. Using standard-compliant Wi-Fi 7 and 5G NR signals, I-OFDM delivers measurable improvements in error vector magnitude and adjacent channel leakage ratio over conventional OFDM, enhancing power efficiency, signal quality, and spectral compliance for future wireless networks.

Website: <https://www.itsc-lab.co.uk/>

EXHIBITION AND DEMOS

Booth 102

ROHDE & SCHWARZ
Make ideas real



Rohde & Schwarz GmbH & Co. KG

The Munich based technology group develops, produces and sells a wide range of electronic capital goods for industry and government customers with a focus on solutions that contribute to a safer and connected world.

Rohde & Schwarz is a market-leading supplier in the mobile and wireless communications sector, offering a comprehensive portfolio of T&M instruments and systems for the development, production and acceptance testing of components and consumer devices as well as for setting up and monitoring mobile networks. Including network & cybersecurity as well as spectrum monitoring. Important markets include wireless communications, the automotive industry, aerospace and defense, all industrial electronics sectors, research and education as well as regulators.

For more than 100 years, DEKRA has been a trusted name in safety. Founded in 1925 with the original goal of improving road safety through vehicle inspections, DEKRA has grown to become the world's largest independent, non-listed expert organization in the field of testing, inspection, and certification. Today, as a global partner, the company supports its customers with comprehensive services and solutions to drive safety and sustainability forward. In 2025, DEKRA generated revenue of 4.4 billion euros. More than 48,000 employees are providing qualified and independent expert services in approximately 60 countries across five continents. DEKRA holds a Platinum rating from EcoVadis, placing it among the top 1% of the world's most sustainable companies.

“At DEKRA, we build trust in the technologies and systems that define our lives – with the conviction that mobility must be safe and sustainable, that digital systems must be secure, that climate action must be real.”

Stan Zurkiewicz, CEO DEKRA

Booth 103



Dekra

Booth 104, 105, 106



European Commission

EXHIBITION AND DEMOS

Booth 107, 108, 109



Ericsson

Ericsson's high-performing, programmable networks provide connectivity for billions of people every day. For 150 years, we've been pioneers in creating technology for communication, enabling the full value of connectivity with game-changing technology and services that are easy to use, adopt, and scale.

Now the next era of connectivity is underway, as AI, cloud, and mobile networks converge to transform industries, economies, and daily life. With 3GPP working on 6G standards and trials planned for later this decade, Ericsson is already co-creating the foundations of 6G and the intelligent digital fabric with mobile operators, academia, and technology eco-system partners.

We have been a key player in making 5G networks a reality and are now pioneering 6G research, standardization, and development with strong R&D and collaboration. Open standards remain essential to maintaining a thriving global ecosystem and making mobile technologies accessible for all.

Website: <https://www.ericsson.com/en>

Booth 110, 114



Nokia Solutions and Networks Oy,

Nokia is a global leader in connectivity for the AI era, providing the critical network infrastructure the world relies on. Every day, we're powering our customers with advanced connectivity across fixed, mobile, and transport networks, delivering the performance and security they need to meet the demands of an AI-enabled future.

Website: <https://www.nokia.com/networks/>

Booth 112



Software Radio Systems Limited (SRS)

Software Radio Systems Limited (SRS), headquartered in Ireland, develops high-performance software for 4G, 5G, and next-generation radio access networks. SRS contributes to the evolution of open RAN through the OCUDU project, hosted by the Linux Foundation, supporting a shift towards open and scalable RAN development.

Website: <https://srs.io/>

EXHIBITION AND DEMOS

Booth 111



ISLAND

5G-NR ISAC Demo from SWIFT Lab, The American College of Greece Research Center(partner of HORIZON MSCA-DN project ISLANDS, grant agreement No 101120544)

The integration of sensing and communication (ISAC) has been identified by the ITU-R as one of the six key application scenarios for 6G and has garnered significant attention from both industry and academia. While substantial theoretical progress has been made in areas such as system architecture, waveform design, information fusion, and security analysis, practical hardware implementations remain scarce. Existing prototypes are mostly built on high-frequency bands, such as 28 GHz, millimeter-wave or even terahertz, which are not readily compatible with current 5G infrastructure. To address this gap and facilitate seamless integration of ISAC into existing telecom systems, particularly on sub-6 GHz and based on 5G-NR standard, we will present a practical demonstration of sub-6 GHz 5G-NR ISAC in an indoor environment at our booth.

Website: <https://www.islands-mscadoctoralnetwork.eu/project/>

To support Connected Autonomous Mobility the project mission is - AI-Enhanced Fiber-Wireless Optical 6G Network in Support for Connected Mobility - where photonics plays a key role by virtue of its bandwidth and efficiency offerings.

6G-EWOC contributes to this mission through its focus on autonomous driving. By connecting vehicles and making their collected information instantaneously available to all traffic participants, 6G provides a salient feature for safety and efficient transport on the road.

6G-EWOC will develop the key components concerning high-accuracy light-based sensing, high-bandwidth wireless optical access, high-capacity fronthauling through fibre-based access, and high-end datacentre technology. Website: 6g-ewoc.eu

Booth 113, 117



6G-EWOC

NATWORK aims to establish and implement the first economically feasible, energy-efficient, and effective bio-inspired, AI-driven cybersecurity and resilience framework specifically designed for 6G networks. This framework aims to provide intelligent networking and services by adopting a holistic approach of different 6G technologies.

NATWORK is leveraging the principles of bio-inspired mechanisms and artificial intelligence (AI) to ensure real-time security analysis and adaptability, aiming to respond also against Physical Layer threats. This innovative approach not only promises to enhance the trustworthiness, resilience, dependability, and security of 6G networks beyond the current state-of-the-art, but also aligns with sustainable development goals. Website: www.natwork-project.eu

Booth 115, 116



NATWORK

EXHIBITION AND DEMOS

Booth 118, 122



UNIVERSIDAD
DE MÁLAGA

University of Málaga

The Instituto de Tecnologías e Ingeniería del Software (ITIS) at the University of Málaga presents a demonstration of non-terrestrial network (NTN) capabilities alongside 5G equipment. The demo showcases the potential of combining satellite communication infrastructure with fifth-generation mobile technology, exploring ways to extend coverage beyond conventional terrestrial deployments. This demonstration is part of ITIS's ongoing research into open and disaggregated network architectures, and reflects the growing interest in NTN as a complementary solution for rural, emergency, or remote connectivity scenarios where terrestrial infrastructure is unfeasible or insufficient. ITIS will also deploy a private 5G Standalone network providing connectivity to both event participants and the various on-site demonstrations.

6G-VERSUS explores the frontiers of 6G technology through a series of trials and 6 pilots across Europe, each meticulously designed to address and efficiently assess the pressing challenges of the next-generation sustainable and environmentally conscious vertical industries. 6G-VERSUS introduces a novel methodology, transforming existing use cases into 6G applications, comprising Vertical App (V-App), Network App (N-App), and AI-assisted App (AI-App) with the support of six 6G platforms spanning across Europe.

6G-VERSUS aims to demonstrate the profound sustainable, economic and societal impact of 6G technology, propelling towards a more sustainable and prosperous society.

Website: www.6g-versus.eu

Booth 123



6G-VERSUS

6G-VERSUS

Booth 124, 125



FLAGSHIP
UNIVERSITY
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6G-Flagship

EuCNC | 6G Summit

Dublin, Ireland ■ 8-11 June 2027

www.eucnc.eu



FIRST ANNOUNCEMENT

The 2027 EuCNC & 6G Summit builds on two successful conferences in the area of telecommunications: EuCNC, in its 36th edition of a series, supported by the European Commission, and the 6G Summit, in its 9th edition, originated from the 6G Flagship programme in Finland, one of the very first in its area. The conference is sponsored by the IEEE Communications Society (ComSoc), the European Association for Signal Processing (EURASIP) and the European Association on Antennas and Propagation (EurAAP) and supported by the European Commission. The conference addresses various aspects of Beyond 5G/6G communications systems and networks. It brings together cutting-edge research and world-renown industries and businesses, globally attracting in recent years close to 1000 delegates from more than 40 countries all over the world, to present and discuss the latest results, and an exhibition with more than 80 exhibitors, for demonstrating the technology developed in the area, namely within research projects from EU R&I programmes.

The conference program will include:

- Keynotes
- Panels
- Regular Sessions (papers from open call, to be submitted for uploading to IEEE Xplore)
- Special and Convened Sessions, with papers on specific topics
- Workshops, with papers and presentations on specific topics
- Poster sessions
- Tutorials
- Demos and exhibitions, with pitches
- Awards in several categories (paper, poster, booth, demo, startup, thesis)

Tracks will include:

- PHY - Physical Layer and Fundamentals
- WOS – Wireless, Optical and Satellite Networks
- NET – Network Softwarisation
- AIU – Applications, IoT, Use cases
- OPE – Operational & Experimental Insights
- AI4C – AI/ML Solutions for Communications
- SAQ – Security Aspects and Quantum Communications
- NVS – Next-Generation Visions & Sustainability
- CMA Components, Microelectronics, Photonics & Antennas

Indicative schedule:

mid Jan. 2027 – Deadline for submission of Papers for Regular Oral Sessions

mid Jan. 2027 – Deadline for submission of proposals for Workshops, Special Sessions and Tutorials

end Feb. 2027 – Deadline for submission of Extended Abstracts for

Posters June 8-11 2027 – Conference in Dublin, Ireland

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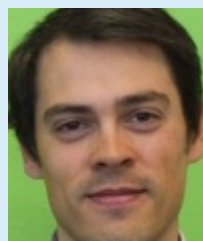
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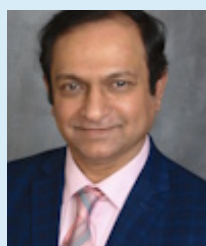
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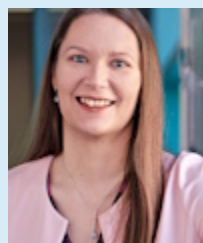
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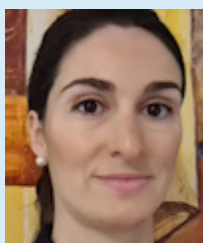
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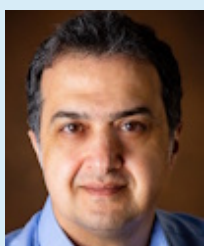
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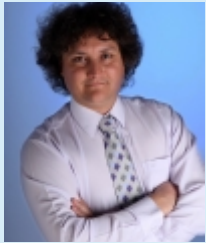


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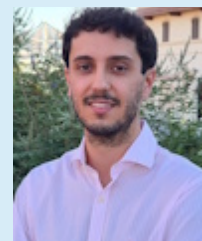
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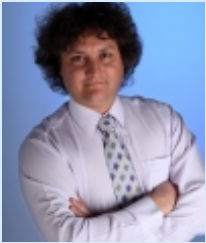


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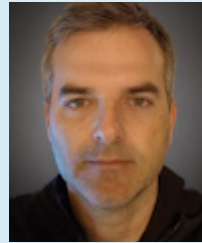
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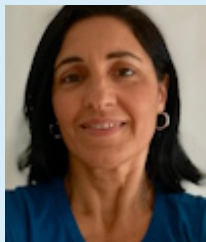
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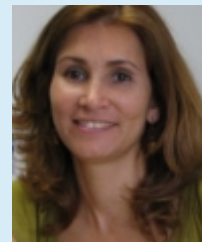
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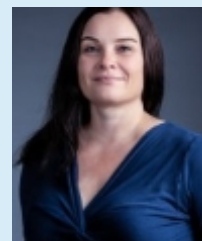
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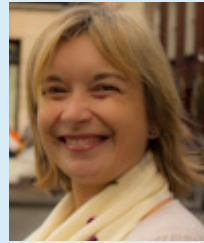
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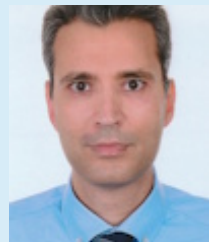
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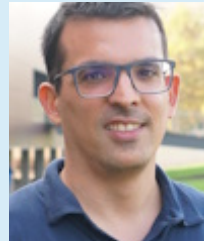
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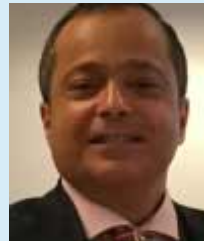
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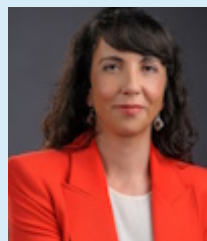
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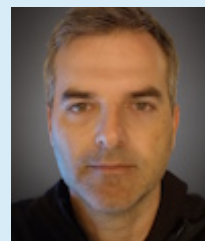
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Non-Terrestrial
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and
Communications



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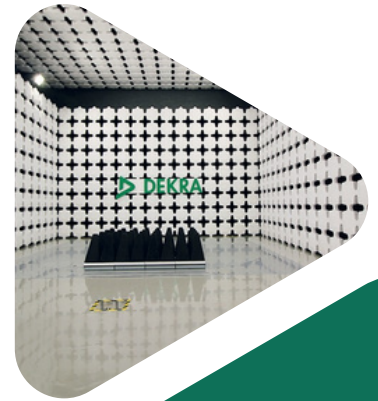
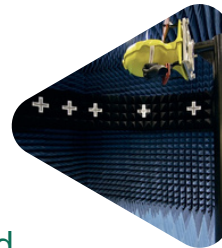
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Whether you're working on new spectrum, AI / ML networks and devices, or new network topologies, Keysight's 6G solutions provide the performance, precision, and stability you need to tackle the most challenging measurements.

Dive deeper:



6G TESTING FOR EARLY R&D

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Explore more

Join us on the journey to 6G

ROHDE & SCHWARZ

Make ideas real



i2cat^R Research & Innovation Centre

Your Strategic Partner in Digital R&D

At i2CAT, we bridge the gap between visionary research and market-ready solutions. With over 20 years of experience, we bring AI, Communications, and Cybersecurity together to deliver real impact and digital sovereignty.

A Benchmark for European Excellence

i2CAT is a cornerstone of digital innovation in Europe, offering proven success in high-level collaboration:

136+ Successful EU Projects since 2006.

€36M+ Secured in EC Funding.

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Cutting-edge Research Infrastructure

Advanced 5G and 6G

Non-terrestrial and Satellite Networks

Quantum Networks

Immersive Multimedia Technologies

V2X Mobility

Intelligent Sensing

Let's build the future together

📍 Visit us at **Booth 98**



Contact us



UNMATCHED DYNAMIC RANGE. UNMATCHED PERFORMANCE.

VDI's Mini VNAX modules are one-quarter the volume of standard modules, making them well suited for probe station and antenna measurement applications.

VDI's VNA Extenders provide high performance frequency extension of vector network analyzers from 26GHz to 1.5THz. These modules combine high test port power with exceptional dynamic range and unmatched stability. VDI's mini-modules are reduced in size, but yield the same industry leading performance as our original designs. The compact form factor and simplified power supply make them the recommended solution for most applications. Mini-modules are currently available in standard waveguide bands for 26GHz to 1.1THz with higher frequency bands under development.

Waveguide Band (GHz)	WR28 26-40	WR19 40-60	WR15 50-75	WR12 60-90	WR10 75-110	WR8 90-140	WR6.5 110-170	WR5.1 140-220	WR4.3 170-260	WR3.4 220-330	WR2.8 260-400	WR2.2 330-500	WR1.5 500-750	WR1.0 750-1,100
Dynamic Range (BW=10Hz, dB, typ)	120	120	120	120	120	120	120	120	115	115	110	110	110	95
	110	105	110	110	110	110	110	110	110	105	100	100	95	75
Test Port Power (dBm)	13	17	18	18	18	16	13	6	4	1	-1	-3	-12	-23



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WELCOME TO UMA

Situated in Malaga, a privileged location in the South of Spain on the Mediterranean Coast, the University of Malaga (UMA) is committed to excellence in teaching, research, innovation and knowledge transfer. Attracting talent, students as well as teaching and research staff, is one of its hallmarks, in an environment where the university and the city share a strong international vocation.

FACILITIES		
	Overall campus area: 1,920,000 m ²	
	Teatinos Campus: 1,870,00 m ²	
	El Ejido Campus: 50,000 m ²	
	University Sport Centre: 80,000m ²	
	Faculties and Schools: 18	Libraries: 15
	Affiliated faculties: 2	Lecture hall buildings: 6
	Departments: 71	Exposition halls: 3

STUDY PROGRAMMES
Bachelor's Degrees: 61
Double Degrees: 16
Official Master's Degrees: 76
Double Master's Degrees: 8
PhD Programmes: 23

RESEARCH FIGURES
Research groups: 335
National research projects: 317
European research projects: 45
Agreements: 563
Patents: more than 300
Chairs through patronage: 52
Centres and central services: 18
University Institutes: 21

STUDENTS
UMA hosts students from 58 different countries
Undergraduate students: 30,299
Official Master's Degree students: 3,577
PhD students: 2,094
Students in courses for students over 55 years: 1,732

RESEARCH AT THE SERVICE OF SOCIETY

As a public institution, the University of Malaga is firmly committed to serving society through research, innovation and knowledge transfer.

The centralised coordination of plans, projects and infrastructures, through the Vice-Rectorate for Research and Knowledge Transfer, results in excellent scientific output of its more than 300 research groups, as well as in the transfer of their results to the social and productive sectors.

INSTITUTIONAL POLICY AND PARTNERSHIPS

The Vice-Rector's Office for Social Outreach and Communication is responsible for strengthening and coordinating the University's efforts to consolidate links with society. UMA maintains a large network of partnerships covering the fields of training, work placements, international mobility, promotion of entrepreneurial activity, research, innovation, knowledge transfer and exchange, social responsibility, culture and sport, among others.



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