

This document provides resources to request a press accreditation and download info material about the EuCNC 2018 conference to be held in Ljubljana, Slovenia on June 18-21, 2018.

---

Your contact for requesting your EuCNC 2018 press accreditations,  
EuNC 2018 logos and other pictures or for any additional requests:

Ms. Argene Superina email: [argene.superina@fe.uni-lj.si](mailto:argene.superina@fe.uni-lj.si)

---

## 1. An Introduction to EuCNC 2018

EuCNC 2018 is the 27<sup>th</sup> edition of a successful series of a technical conference in the field of telecommunications, sponsored by the European Commission. The conference focuses on communications and networking topics including 5G communications systems and networks, cloud platforms, management technologies, and applications and services. It targets to bring together researchers as well as industries and practitioners from all over the world.

## 2. Organizer

EuCNC 2018 is being organised jointly by the University of Ljubljana and Jožef Stefan Institute via the Coordination and Support Action EuConNeCts 3, Project H2020-ICT-2016-2-761 434, funded by the European Commission.

## 3. Press release

### MEDIA RELEASE IN ENGLISH

*We welcome your media representative to attend the EuCNC 2018 conference program and visit the demo show. The opening of the conference will be on 19 June 2018 in the Cultural and Congress Centre Cankarjev Dom, in Linhart hall, starting at 9:00.*

*Opening addresses will be given by :*

- *Mojca Volk, University of Ljubljana and Mihael Mohorčič, Jožef Stefan Institute, local organisers of EuCNC 2018 and TPC co-chairs,*

- *Boris Koprivnikar, Deputy Prime Minister and Minister of Public Administration of the Republic of Slovenia,*
- *Pearse O'Donohue, Director for the Future Networks, DG CONNECT, EC & Conference General Co-Chair,*
- *Bojan Križ, Director General of the Information Society Directorate at the Ministry of Public Administration of the Republic of Slovenia & Conference General Co-Chair.*

*Two keynotes will be given after the welcoming addresses:*

- *«Business model-driven 5G deployment», by Michele Zarri, Technical Director, GSM Association, United Kingdom*
- *«THz Communications – An Option for Wireless Networks beyond 5G?», by Thomas Kürner University Professor, Braunschweig University of Technology*

*The programme is followed by exhibition opening and coffee break in Foyer 1 at 11:00.*

## **EuCNC 2018 conference presents the results of global 5G development**

The 5G-themed international EUCNC 2018 conference will be held in Ljubljana, Slovenia, from 18 to 21 June in the Cultural and Congress Centre Cankarjev Dom. The world-wide major scientific conference is hosted by the University of Ljubljana and Jožef Stefan Institute.

Supported by the European Commission, the 27th EUCNC (European Conference on Networks and Communications) will bring together over 500 top executives and experts from the global 5G research and industry. EuCNC 2018 is one of the most prominent communications and networking conferences in Europe that efficiently brings together cutting-edge research sphere and world-renown industries and businesses. This creates a unique opportunity to gain insights into latest scientific discoveries, deployment advancements and lessons learned as well as business opportunities and partnership potentials. By contributing to the event, you have the opportunity to maximise the gains by enjoying prominent exposure and visibility of your company or institution towards a large yet targeted audience and draw attention of key players in the field from all around the world.

Under the motto “5G and Beyond”, this edition of the conference will be about 5G in vertical industries, experimentation in real world and results and lessons learned from first 5G deployments. European H2020 5G Phase 1 and Phase 2 projects’ results will be showcased and the event will facilitate discussions about opportunities to leverage on recent 5G advancements in order to support the rollout of 5G in various verticals, such as smart cities, automotive, public protection and disaster relief, smart mobility, digital health, and more. The conference will feature a large exhibition of technologies, products and results from industrial and European Commission co-funded projects.

Prominent research institutions, SMEs as well as large industries from Europe and other parts of the world will be there. The event is backed also by the Slovenian Ministry of Public Administration, which is responsible for Digitalisation areas and has 5G in their core strategy of technological development. The Deputy Prime Minister and Minister for Public Administration will give an opening talk, as well as the Director General of the Information Society Directorate of Slovenia, and the EC’s Director for the Future Networks Directorate of DG CONNECT. Guests will have the opportunity to enjoy exciting keynote talks given by leading experts in the field, and immerse in lively panel discussions around the currently hot topics in 5G and beyond. A variety of workshops, tutorials and technical sessions are available to choose from and the event will again host a large exhibition

demonstrating latest prototypes developed by the European 5G projects, which by now became a trademark of the event.

EuCNC 2018 has a strong backing from prominent industrial 5G players, including this year's gold patron Huawei, bronze patrons Nokia and Ericsson and several further patrons, including Rohde&Schwarz, Iskratel and Telekom Slovenije.

The conference has an IEEE conference status, and all peer-reviewed presentations are published in IEEE Explorer data base.

Conference homepage: <http://www.eucnc.eu/>

Conference on social media:

Facebook      EuCNC

Twitter        @eucnc, @NetTechEU

LinkedIn       EuCNC (*group*)

Instagram      eucnc2018

Official hashtag #EuCNC2018

Conference video : <https://youtu.be/fkClbflh7As>

Additional information:

- Mojca VOLK | [mojca.volk@ltfe.org](mailto:mojca.volk@ltfe.org) | +386 41 795 240
- Mihael MOHORČIČ | [miha.mohorcic@ijs.si](mailto:miha.mohorcic@ijs.si) | +386 41 354-748

Please visit the official website for more information: [www.eucnc.eu](http://www.eucnc.eu)

## SPOROČILO ZA MEDIJE V SLOVENŠČINI

### **Konferenca EuCNC 2018 predstavlja rezultate na področju omrežij 5G**

Mednarodna konferenca EuCNC (European Conference in Networks and Communication) bo potekala med 18. in 21. junijem 2018 v Cankarjevem domu v Ljubljani. Glavni poudarek konference bo na tehnologijah 5G, njihovem nadaljnjem razvoju ter uporabi v različnih domenah. Gostitelja letošnje konference sta Univerza v Ljubljani in Institut Jožef Stefan, s podporo Evropske komisije.

Sedemindvajseta konferenca EuCNC bo povezala več kot 500 vodilnih strokovnjakov iz industrije in raziskovalnih institucij, ki se ukvarjajo z raziskavami, razvojem in implementacijo tehnologij 5G. EuCNC 2018 je ena izmed najpomembnejših konferenc na področju komunikacij in omrežij v Evropi, ki učinkovito povezuje vrhunsko raziskovalno sfero in svetovno priznana podjetja. S tem konferenca ponuja edinstveno možnost vpogleda v najnovejše znanstvene dosežke in novo pridobljena spoznanja ter vzpostavitev novih partnerstev in poslovnih priložnosti.

S sloganom »5G and beyond« se bo letošnja konferenca osredotočala na omrežja 5G v vertikalnih industrijah ter rezultate in izkušnje iz prvih uvajanj tehnologij 5G. Predstavljeni bodo prvi rezultati 1. in 2. faze evropskega projekta 5G H2020, dogodek bo spodbudil razprave o priložnostih za implementacijo raziskovalnih in razvojnih dosežkov ter prikazal načine, kako podpreti uvajanje omrežij 5G v različnih vertikalah, kot so pametna mesta, avtomobilska industrija, civilna zaščita in pomoč ob nesrečah, pametna mobilnost, e-zdravje in druge. Na razstavnem delu konference bo predstavljenih veliko tehnologij, produktov in rezultatov številnih industrijskih projektov ter projektov, ki jih je sofinancirala Evropska komisija.

Prisotne bodo ugledne raziskovalne institucije, mala in srednje velika podjetja ter velike industrije iz Evrope in drugod po svetu. Dogodek podpira tudi Ministrstvo za javno upravo Republike Slovenije, ki je odgovorno za področje digitalizacije in je 5G postavilo v jedro strategije za tehnološki razvoj.

Udeležence bodo uvodoma nagovorili namestnik predsednika vlade Republike Slovenije, minister za javno upravo Republike Slovenije, generalni direktor Direktorata za informacijsko družbo Slovenije in direktor Direktorata za omrežja prihodnosti iz Evropske Komisije (DG CONNECT). Sledila bodo predavanja vodilnih strokovnjakov področju omrežij 5G, okrogle mize, kjer bodo izpostavljene vroče teme na področju 5G, številne delavnice in tehnične seje. Vzporedno bo opotekala obsežna razstava prototipov, ki so bili razviti znotraj evropskih projektov.

EuCNC 2018 ima močno podporo vodilnih podjetij na področju tehnologij 5G, vključno z letošnjim zlatim pokroviteljem Huawei, bronastima pokroviteljema Nokia in Ericsson ter drugimi pokrovitelji, kot so Rhode&Schwarz, Iskratel in Telekom Slovenije.

EuCNC 2018 ima IEEE konferenčni status in vse strokovno pregledane predstavitve so objavljene v IEEE Explorer podatkovni bazi.

Spletna stran konference: <http://www.eucnc.eu/>

Konferenca na družbenih omrežjih:

Facebook EuCNC

Twitter @eucnc, @NetTechEU

LinkedIn EuCNC (*group*)

Instagram eucnc2018

Uraden ključnik #EuCNC2018

Video : <https://youtu.be/fkClbflh7As>

Kontakt za dodatne informacije:

- Mojca VOLK | [mojca.volk@ltfe.org](mailto:mojca.volk@ltfe.org) | +386 41 795 240
- Mihael MOHORČIČ | [miha.mohorcic@ijs.si](mailto:miha.mohorcic@ijs.si) | +386 41 354-748

## 4. Conference Programme

The programme overview on the web page : <https://www.eucnc.eu/general-programme/>

MON 18 JUNE : Workshops and Tutorials

TUE 19 JUNE : Opening ceremony, Two Keynote talks, Panel Discussion, Exhibition opening, Poster Session, Regular and Special Sessions, Welcome reception

WED 20 JUNE : Two Keynote talks, Regular and Special Sessions, Panel Discussion, Poster Session, Demo Exhibition, Gala Dinner (Grand Hotel Union)

THU 21 JUNE : Regular and Special Sessions, Panel Discussion, Closing Session

## 5. Keynote Speakers and Bios

### KEYNOTE 1: Business model-driven 5G deployment

Tuesday, 19 June, 9:00-10:30, Room Linhart hall

**Michele Zarri** (Technical Director, GSM Association, United Kingdom)

Abstract

The presentation will cover the following:

- Who is GSMA?
- The role and objectives of GSMA in the 5G era
- An evolving technology enabling revolutionary business models
- Alternatives for introduction of 5G

CV

Michele Zarri is a technical director in GSMA where he works on advanced technologies and 5G. Michele graduated in telecommunications engineering at University of Pisa (Italy) and completed his studies at King's College of London (UK). Prior joining the GSMA Michele worked for Deutsche Telekom where he accrued more than 15 years of experience in standardization of mobile technologies. Michele served as chairman of working groups both in 3GPP and GSMA.

## **KEYNOTE 2: THz Communication – An Option for Wireless Network beyond 5G?**

Tuesday, 19 June, 9:00-10:30, Room Linhart hall

**Thomas Kürner** (University Professor, Institut für Nachrichtentechnik, Germany)

Abstract

Already a couple of years ago THz communications have not only become an attractive new research area on channel modeling but also triggered a couple of projects heading to develop appropriate technological solutions to enable the set-up of hardware demonstrators. In parallel discussions and activities in standardization and regulation already took off. In October 2017, IEEE published Std. IEEE 802.15.3d-2017 the worldwide first wireless communications standard operating in the 300 GHz frequency band. In parallel to the standardization process activities at the ITU-R level targeting on the provision of an appropriate regulatory framework at the World Radio Conference 2019 (WRC-2019) via a dedicated agenda item have taken off. The speaker has been actively involved in all those areas. The talk will provide a brief overview on the current status of the development of THz Communication systems focusing on the past and current activities at IEEE 802 and the WRC 2019 preparations as well as on recent results on advanced channel characterization at 300 GHz and hardware demonstrators operating in this frequency range.

CV

Thomas Kürner received his Dipl.-Ing. degree in Electrical Engineering in 1990, and his Dr.-Ing. degree in 1993, both from University of Karlsruhe (Germany). From 1990 to 1994 he was with the Institut für Höchstfrequenztechnik und Elektronik (IHE) at the University of Karlsruhe working on wave propagation modelling, radio channel characterisation and radio network planning. From 1994 to 2003, he was with the radio network planning department at the headquarters of the GSM 1800 and UMTS operator E-Plus Mobilfunk GmbH & Co KG, Düsseldorf, where he was team manager radio network planning support responsible for radio network planning tools, algorithms, processes and parameters from 1999 to 2003. Since 2003 he is Full University Professor for Mobile Radio Systems at the Technische Universität Braunschweig. His working areas are indoor channel characterisation and system simulations for high-speed short-range systems including future terahertz communication system, propagation, traffic and mobility models for automatic planning and self-organization of mobile radio networks and vehicle-to-X communications.

## **KEYNOTE 3: 5G applied to vertical industry use cases – Car, Health, and Industry 4.0**

Wednesday, 20 June, 9:00-10:30, Room Linhart hall

**Walter Weigel** (Vice President, Huawei European Research Institute, Belgium)

Abstract

Vertical industries and applications have been among the key use cases fostering 5G research in the past years, driving the definition of new generation wireless technologies. Autonomous driving, digital factories, remote surgery, just to mention a few well known cases, posed hard challenges to cellular communication systems, as they require ultra-low latency and ultra-high reliability connectivity, potentially for massive number of devices and sensors. Solutions to such challenges are now coming to maturity and being standardized for the early drop of 5G end to end systems, which will enable a plethora of new services and business. Within this framework, this presentation will give some insights in these scenarios comprising real 5G tests and the design of the radio interface.

CV

Dr. Walter Weigel graduated from the Technical University in Munich, Germany, with the Master Degree in electrical engineering in 1984 and with the Ph. D. degree in 1990. From 1984 to 1991 he was assistant professor at the Institute of Data Processing at the Technical University in Munich.

Dr. Weigel is since 1st April 2015 CSO and VP of the European Research Institute of Huawei, based in Leuven, Belgium and Munich, Germany.

He was from September 2006 to July 2011 the Director General of the European Telecommunication Standards Institute ETSI. Between February 1991 and February 2015 he held several positions within Siemens AG, including VP of External Cooperations and Head of Standardization in Corporate Technology, VP of the Research & Concepts-department of the Mobile Networks business unit as well as Head of the business segment Video Processing for the semiconductor business unit (today Infineon).

He is a lecturer at the Technische Universitaet Muenchen, member of the Innovationsdialog of the German Government and of the Aalborg University Industry Advisory Council, member of the Senate of Acatech (German academy of technical sciences) and of the Board of 5GAA, former member of the IEEE Board of Governors as well as of the Key Enabling Technologies working group of DG Grow.

## **KEYNOTE 4: Rising Power of the Network User**

Wednesday, 20 June, 9:00-10:30, Room Linhart hall

**Biswanath Mukherjee** (Distinguished Professor of Computer Science, University of California, Davis, USA)

Abstract

The network user, armed with increasingly-capable smart devices, is becoming more powerful. The user is demanding that newer IT infrastructures, e.g., Beyond 5G – consisting of the communication networks, (edge and cloud) data centers, distributed network functions, etc. – become more agile, and the services they facilitate become more application-centric, leading to exceptional user experience. For the network user, it is no longer satisfactory for the infrastructure operators to claim that their newer resources can support many orders of magnitude higher bandwidth and much lower latency by focusing on only the lower layers of the protocol stack (Layers 1-3). Noting that different applications have different tolerances to available bandwidth, latency, etc., novel methods are required to develop real-time application-centric user-experience analytics for future IT

infrastructures. Given the huge data volumes involved, appropriate AI and machine-learning methods need to be applied.

CV

Biswanath Mukherjee received the BTech (Hons) degree from Indian Institute of Technology, Kharagpur (1980) and PhD from University of Washington, Seattle (1987). He was General Co-Chair of IEEE/OSA Optical Fiber Communications (OFC) Conference 2011, TPC Co-Chair of OFC'2009, and TPC Chair of IEEE INFOCOM'96. He is Editor of Springer's Optical Networks Book Series. He has served on 8 journal editorial boards, most notably IEEE/ACM Transactions on Networking and IEEE Network. He has supervised 72 PhDs and currently mentors 12 advisees, mainly PhD students. He is winner of the 2004 Distinguished Graduate Mentoring Award, the 2009 College of Engineering Outstanding Senior Faculty Award, and the 2016 UC Davis International Community Building Award at UC Davis. He is co-winner of 11 Best Paper Awards, mostly from IEEE conferences. He is author of the textbook Optical WDM Networks (Springer, January 2006). He is Founder and President of Ennetix, Inc. He is winner of the IEEE COMSOC's inaugural Outstanding Technical Achievement Award "for pioneering work on shaping the optical networking area". He is an IEEE Fellow.

## 6. Rates and media representatives

Registration Fees in 13 categories vary from One Day Registration (€ 150) to Global Full Registration (€650). More information on rates at <https://www.eucnc.eu/registration/>

Accredited media representatives are given free entrance. Please send your request to [argene.Superina@ltfe.org](mailto:argene.Superina@ltfe.org) until 15 June 2018.

## 7. Previous Conferences

(from <https://www.eucnc.eu/history/>)

1. RACE Mobile Telecommunications Workshop 1992, Nuremberg, Germany, 5-6 May 1992 (Renamed as 1st RACE Mobile Summit)
2. RACE Mobile Workshop '93, Metz, France, 16-18 June 1993 (Renamed as 2nd RACE Mobile Summit)
3. RACE Mobile Workshop '94, Amsterdam, The Netherlands, 17-19 May 1994 (Renamed as 3rd RACE Mobile Summit)
4. RACE Mobile Telecommunications Summit, Cascais, Portugal, 22-24 Nov. 1995 (Renamed as 4th RACE Mobile Summit)
5. 1st ACTS Mobile Telecommunications Summit, Granada, Spain, 27-29 Nov. 1996 (Renamed as 5th ACTS Mobile Summit)
6. 2nd ACTS Mobile Telecommunications Summit, Aalborg, Denmark, 7-10 Oct. 1997 (Renamed as 6th ACTS Mobile Summit)
7. 3rd ACTS Mobile Telecommunications Summit, Rhodes, Greece, 8-11 June 1998 (Renamed as 7th ACTS Mobile Summit)
8. 4th ACTS Mobile Communications Summit, Sorrento, Italy, 8-11 June 1999 (Renamed as 8th ACTS Mobile Summit)
9. IST Mobile Communications Summit 2000, Galway, Ireland, 1-4 Oct. 2000 (Renamed as 9th IST Mobile Summit)
10. IST Mobile Communications Summit 2001, Barcelona, Spain, 9-12 Sep. 2001 (Renamed as 10th IST Mobile Summit)

11. IST Mobile & Wireless Telecommunications Summit 2002, Thessaloniki, Greece, 17-19 June 2002 (Renamed as 11th IST Mobile Summit)
12. IST Mobile & Wireless Communications Summit 2003, Aveiro, Portugal, 15-18 June 2003 (Renamed as 12th IST Mobile Summit)
13. 13th IST Mobile & Wireless Communications Summit, Lyon, France, 27-30 June 2004
14. 14th IST Mobile & Wireless Communications Summit, Dresden, Germany, 19-23 June 2005
15. 15th IST Mobile & Wireless Communications Summit, Mykonos, Greece, 4-8 June 2006
16. 16th IST Mobile & Wireless Communications Summit, Budapest, Hungary, 1-5 July 2007
17. 17th ICT Mobile Summit, Stockholm, Sweden, 10-12 June 2008
18. 18th ICT Mobile Summit, Santander, Spain, 10-12 June, 2009
19. 19th Future Network and Mobile Summit, Florence, Italy, 16-18 June 2010
20. 20th Future Network and Mobile Summit, Warsaw, Poland, 15-17 June 2011
21. 21st Future Network and Mobile Summit, Berlin, Germany, 4-6 July 2012
22. 22nd Future Network and Mobile Summit, Lisbon, Portugal, 3-5 July 2013
23. 23rd European Conference on Networks and Communications, EuCNC 2014, Bologna, Italy, 23-26 June 2014
24. 24th European Conference on Networks and Communications, EuCNC 2015, Paris, France, 29 June / 2 July 2015
25. 25th European Conference on Networks and Communications, EuCNC 2016, Athens, Greece, 27-30 June 2016
26. 27th European Conference on Networks and Communications, EuCNC 2017, Oulu, Finland, 12-15 June 2017

## **8. Video Streaming and video interviews**

Live video streaming and interviews from EuCNC 2018 are available at the conference website:

<https://www.eucnc.eu/webcasting/>

<https://www.eucnc.eu/videoblog/>

## **9. Contact information**

Ms. Argene Superina, University of Ljubljana

email: [argene.superina@ltfe.org](mailto:argene.superina@ltfe.org)

Media: #EuCNC2018 (Facebook, Twitter, LinkedIn, Instagram during the conference)