



Important Dates

31 December 2016

Full paper submission

15 February 2017

Paper acceptance notification

6 April 2017

Early registration and
Camera-ready papers



Venue: Metropol Lake Resort,
Ohrid, R. Macedonia

Honorary Chair



Karen Bartleson
2017 IEEE President

Honorary Co-Chair



Margaretha Eriksson,
IEEE R8 Director Elect

General Chair

Ljupco Karadzinov, IEEE Rep.
of Macedonia Section Chair
chair@eurocon2017.org

The conference includes a
student competition and the
**EUROCON 2017 Best Student
Paper Award:**

Tablet computer

**IEEE R8 Best Student Paper
Contest 2017** awards will be
presented at the conference

Early Registration Fees

IEEE Member	370 €
IEEE Student Member	280 €
IEEE Life Member	280 €
Non IEEE members	450 €
Students non member	330 €
Accompanying person	260 €
Lunches included	

Third Call for Papers (Nov 2016)

IEEE EUROCON 2017 – 17th IEEE International Conference on Smart Technologies

EUROCON is a flagship event of the IEEE Region 8 (Europe, Middle East and Africa) held every two years in a different country with participants from all over the world. EUROCON is a major international forum for the exchange of ideas, theory basics, design methodologies, techniques and experimental results between academia, research institutions and practitioners from industry. It has achieved a considerable success during the past 16 editions in all fields of electrical and electronic engineering, ICT and computer science covered by all IEEE Societies. The technical sessions are grouped in **four tracks**:

- Information & Communication Technologies
- Circuits, Systems and Signal Processing
- Power Engineering and Energy
- Industrial and Consumer Applications

KEYNOTE PLENARY LECTURES



5G as an Enabler of New Energy, Transport, Production and other Verticals by Professor Petar Popovski, IEEE Fellow, Wireless Communications, Department of Electronic Systems, Aalborg University, Denmark



State of the Art in Nanotechnology by Professor Stephen Goodnick, IEEE Fellow, Department of Electrical Engineering, Ira A. Fulton School of Engineering, Arizona State University, USA



Data Science Profession and Education by Professor Yuri Demchenko, System and Network Engineering Research Group, University of Amsterdam, Netherlands



Does DC Distribution Make Sense? by Professor Josep M. Guerrero, IEEE Fellow, Power Electronic Systems, Department of Energy Technology, Aalborg University, Denmark



Software Digital Waste Disposal by Dr. Andrei Vckovski, President of the Swiss Internet Industry Association, CEO and co-founder of Netcetera, Zürich, Switzerland



What does European Energy Turnover (Energiewende) Mean for Small countries by Professor Rafael Mihalič, Head of the Department of Power Systems and Devices, University of Ljubljana, Slovenia



5G Mobile Networks: Implications for Operators, Verticals and End Users by Professor Eckhard Grass, Leader of Joint-Lab Wireless Broadband Communication Systems (IHP - HUB), IHP - Leibniz-Institut für innovative Mikroelektronik and Humboldt-Universität zu Berlin, Germany

The conference venue is the hotel complex Metropol Lake Resort, located near the magnificent city of Ohrid in the Republic of Macedonia. The resort is located about 7 km south from the city of Ohrid and 14 km from the Ohrid airport. The distance from Skopje airport is approximately 200 km and 175 km from Skopje city centre. The Resort enjoys a picturesque location on the coast of Lake Ohrid in the downhill of the mountain Galichica, boasting 500 m long private beach with swimming pools and playgrounds, its own port, landscaped gardens and pinewoods, and fantastic views overlooking the lake and surrounding National Park Galichica. The Ohrid city is referred to as the "Jerusalem of the Balkans" due to its richness in churches, picturesque sites and monuments, while the Ohrid Lake, as the oldest in Europe, has unique flora and fauna with more than 200 endemic species. Both, the city and the lake, are protected as UNESCO Cultural and Natural World Heritage and are regarded as one of the best summer destinations.

Web page: <http://eurocon2017.org/>

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6–8 July 2017

Conference dates



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CONFERENCE TOPICS

Aerospace and Electronic Systems; Antennas and Propagation; Broadcast Technology; Circuits and Systems; Communications; Components, Packaging, and Manufacturing Technology; Computational Intelligence; Computer Engineering; Consumer Electronics; Control Systems; Dielectrics and Electrical Insulation; Education; Electron Devices; Electromagnetic Compatibility; Engineering in Medicine and Biology; Geoscience and Remote Sensing; Industrial Electronics; Industry Applications; Information Theory; Instrumentation and Measurement; Intelligent Transportation Systems; Magnetics; Mechatronics; Microwave Theory and Techniques; Nano- and Micro-Electronics; Nuclear and Plasma; Oceanic Engineering; Photonics; Power Electronics; Power & Energy; Product Safety Engineering; Professional Communication; Reliability; Robotics and Automation; Signal and Image Processing; Social Implications of Technology; Solid-State Circuits; Systems, Man, and Cybernetics; Technology & Engineering Management; Ultrasonics, Ferroelectrics, & Frequency Control; Vehicular Technology.

The conference includes SPECIAL THEMATIC AREAS and SPECIAL SESSIONS on highly specialized topics reporting technical trends and breakthroughs within the scope of the conference. Special Sessions are organized at the initiative of one or more individuals. The call for Special Sessions is still open.

SPECIAL THEMATIC AREAS AND SPECIAL SESSIONS

- "Disruptive Technology Directions for 5G", Petar Popovski, Aalborg University, Denmark
- "Ultra High Speed Wireless and Optical Technologies for 5G", Eckhard Grass, Humboldt-Universität zu Berlin, Germany
- "IoT–The Future of Smart Technologies and Intelligent Infrastructures", Liljana Gavrilovska, Ss. Cyril & Methodius University, MKD
- "Bioelectromagnetic Medicine and Bioinformatics", Andrzej Krawczyk, Czestochowa University of Technology, Poland
- "Advanced Switching Based Systems", Jun Zhao, Northeastern Univ., Shenyang, China
- "Complex Networks and Systems", Georgi Dimirovski, Dogus University, Turkey and Ss. Cyril & Methodius University, Macedonia
- "Hybrid Intelligent Systems", Yuanwei Jing, Northeastern University, Shenyang, China
- "Role and Challenges of Energy Storage in Future Electrical Grids", Ahmed Zobaa, Brunel University London, Uxbridge, UK
- "Smart Technologies in Drives and Control", Aberto Tessarolo, University of Trieste, Italy
- "Nanoelectronics and Nanophotonics", Dragica Vasileska, Arizona State University, USA
- "Smart Technologies in Electrical Machines", Bülent Ertan, Middle East Technical University, Ankara, Turkey
- "Cloud Based Infrastructure and Platforms for Big Data", Yuri Demchenko, Univ. of Amsterdam, NL
- "WAMPAC - Towards Future Power Transmission System", Rafael Mihalič, University of Ljubljana, Slovenia
- "Energy Market. Regulations and Policv". Andrej Gubina, University of Ljubljana, Slovenia
- "Multi-Core Safe and Software-Intensive Systems Improvement Community". Jürgen Mottok, OTH Regensburg, Regensburg, Germany
- "Trends in Metrology and Innovative Measurement Techniques", Vladimir Vujičić, University of Novi Sad, Serbia
- "Applications. Demands and Requirements of Future Wireless Vehicular Communication". Mohammad Alam, University of Aveiro, Portugal
- "Lightening and Grounding", Leonid Grčev, Ss. Cyril & Methodius University, Macedonia

PANEL DISCUSSIONS

- "Do We Need 2G When There Will Be 5G Soon?", Moderator Petar Popovski, Aalborg University, Denmark
- "Systems-of-Systems, Smart Things or Complex Systems?", Moderators Yuanwei Jing, Northeastern University, Shenyang, China, and Georgi Dimirovski, Dogus University, Turkey and Ss. Cyril & Methodius Univ., MKD
- "Prospective of Nuclear Energy in Europe", Moderator Nikola K. Popov, McMaster University, Ontario, Canada
- "Energy Market and Regulatory Framework in Europe", Moderator Andrej Gubina, University of Ljubljana, Slovenia
- "Can Free and Open Source Software Replace Commercial Electrical Engineering Tools?". Moderator Predrag Pejović, Univ. of Belgrade, Serbia

PAPERS SUBMISSION: The working language of the conference is English. The contributions must be original, have neither been nor are intended to be published elsewhere during the review period. All submissions will be refereed by experts in the field. Types of papers: research papers (academic or industrial); student research papers (the first author must be a MSc or PhD student at the time of initial paper submission); and professional papers and presentations. The quality of the research papers will be assessed based on its originality, significance and clarity. All accepted papers will be published in the IEEE EUROCON2017 Proceedings and the Book of Abstracts. Only presented research papers satisfying all IEEE standards will be submitted to the IEEEExplore database (indexed by Inspec, Ei Compendex, Scopus, Web of Science and Google Scholar) and are eligible for further submission to IEEE journals. The EUROCON 2017 Best Student Paper Award is a tablet computer.

INDUSTRY SUMMIT AND EXHIBITION: EUROCON2017 will host an Industry Summit and Exhibition bringing together internationally recognized industry leaders and representatives of domestic companies for a practical, open exchange of ideas and solutions. Attendees will be able to discuss challenges and opportunities from different points of view.

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