IEEE EUROCON 2017
6 – 8 July 2017 Ohrid, Republic of Macedonia

Venue: Metropol Lake Resort, Ohrid, R. Macedonia

Important Dates
28 November 2016
Full paper submission
1 February 2017
Paper acceptance notification
6 April 2017
Early registration, Camera-ready papers
30 September 2016
Special Session proposal deadline

IEEE
region 8 IEEE

Second Call for Papers (Sep 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

Honorary Chair

Karen Bartleson
2017 IEEE President

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	

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 Josep M. Guerrero Professor in Microgrid, IEEE Fellow, Department of Energy Technology, Aalborg, Denmark.

Digital Life Live by Dr. Andrej Vckovski, CEO and co-founded of Netcetera, President of the Swiss Internet Industry Association, 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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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 & Meth. Univ., Macedonia
➤ "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 Univ., Turkey and Ss. Cyril & Methodius Univ., 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

➤ "Nanoelectronics and Nanophotonics", Dragica Vasileska, Arizona State Univ., USA
➤ "Smart Technologies in Drives and Control", Aberto Tessarolo, University of Trieste, Italy
➤ "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, Department of Power Systems and Devices, Univ. of Ljubljana, Slovenia
➤ "Energy Market, Regulations and Policy", Andrei Gubina, Faculty of Electrical Engineering, University of Ljubljana, Slovenia
➤ "Multi-Core Safe and Software-Intensive Systems Improvement Community", Jürgen Mottok, Laboratory for Safe and Secure Systems, Faculty of Elec. Eng. and IT, Regensburg, Germany
➤ "Trends in Metrology and Innovative Measurement Techniques", TBA

PANEL DISCUSSIONS

➤ "Do We Need 2G When There Will Be 5G Soon?", Moderator Petar Popovski, Aalborg University, Denmark
➤ "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

➤ "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., Macedonia
➤ "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 research papers: academic, industrial, or professional presentations, as well as students'. The quality of the scientific papers will be assessed based on its originality, significance and clarity. Accepted papers will be published in EUROCON2017 Proceedings. Only presented papers satisfying all IEEE standards will be submitted to the IEEEXplore 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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