



ConTEL 2019

15th International Conference on Telecommunications
Graz, Austria, 3–5 July 2019

<http://www.contel.hr>



General Chairs

Erich Leitgeb
Graz University of Technology, Austria
Institute of Microwave and Photonic Engineering

Maja Matijašević
University of Zagreb, Croatia
Faculty of Electrical Engineering and Computing

Program Chairs

Wilfried Gappmair
Graz University of Technology, Austria
Institute of Communication Networks and Satellite Communications

Mario Kušek
University of Zagreb, Croatia
Faculty of Electrical Engineering and Computing

Organizing Committee Chairs

Reinhard Teschl
Graz University of Technology, Austria

Alice Reinbacher-Köstinger
Graz University of Technology, Austria

Publication Chairs

Franz Teschl
Graz University of Technology, Austria

Thomas Bauernfeind
Graz University of Technology, Austria

Web Chair

Marin Vuković, University of Zagreb, Croatia

Technical Program Committee

Slaviša Aleksić, Hochschule für Telekommunikation, Leipzig, Germany

Dinko Beğušić, University of Split, Croatia

Zmago Brezočnik, University of Maribor, Slovenia

Tasos Dagiuklas, London South Bank University, UK

Hakan Deliç, Boğaziçi University, Istanbul, Turkey

Ciprian Dobre, University Politehnica of Bucharest, Romania

Bernd Eichberger, Graz University of Technology, Austria

Michael Gebhart, EPCOS, Deutschlandsberg, Austria

Ivan Gojmerac, Austrian Institute of Technology, Austria

Denis Gracanin, Virginia Tech, USA

Darko Huljenić, Ericsson Nikola Tesla, Croatia

Sándor Imre, Budapest Univ. of Tech. & Econ., Hungary

Admela Jukan, TU Braunschweig, Germany

Andrej Kos, University of Ljubljana, Slovenia

Michael Logothetis, University of Patras, Greece

Ignac Lovrek, University of Zagreb, Croatia

Vjekoslav Matić, Infineon, Graz, Austria

Branko Mikac, University of Zagreb, Croatia

Miljenko Mikuc, University of Zagreb, Croatia

Marie-Jose Montpetit, MIT RLE, USA

Thomas Plagemann, University of Oslo, Norway

Peter Pochta, Zilina University, Slovakia

Ivana Podnar Žarko, University of Zagreb, Croatia

Vedran Podobnik, University of Zagreb, Croatia

Hans-Peter Schwefel, Aalborg University, Denmark

Vilmos Simon, Budapest Univ. of Tech. & Econ., Hungary

Nicolas Sklavos, University of Patras, Greece

Zoran Skočir, University of Zagreb, Croatia

Lea Skorin-Kapov, University of Zagreb, Croatia

Andreas Springer, Johannes Kepler University Linz, Austria

Toshitaka Tsuda, Waseda University, Japan

Otakar Wilfert, University of Technology Brno, Czech Republic

Drago Žagar, University of Osijek, Croatia

CALL FOR PAPERS

The 15th International Conference on Telecommunications, ConTEL 2019, will be held in Graz, Austria, on July 3–5, 2019. Through its technical program, the conference will provide an opportunity for the academic and industrial communities to address new research challenges, share solutions and discuss issues in information and communication technology (ICT) referring to modern telecommunications.

The ConTEL 2019 aims to reflect on current and emerging networking technologies that enable ubiquitous Internet and communications as key drivers of connected information society. With new services and increasing demand, there is a growing need for improvement in networking infrastructure – not just in terms of quality and performance, but also in scalability, mobility, energy efficiency, and multiple technologies integration. Original research papers are solicited that present theoretical, as well as applied, practical and experimental work related to the areas and topics of interest listed below. The conference program will offer technical sessions, presenting the latest advances through peer-reviewed regular and special sessions, as well as workshops with focus on the latest breakthroughs in selected areas related to the conference. Graz is the capital city of Styria in the southeast corner of Austria. It is located in between rolling hills, to the north, east and west, only open to the south. The Old Town in Graz is one of the best preserved city districts in Central Europe and listed in the UNESCO World Heritage List.

For up-to-date information on ConTEL, visit the ConTEL Homepage: <http://www.contel.hr>.

ORGANIZED BY: Graz University of Technology
University of Zagreb – Faculty of Electrical Engineering and Computing

TECHNICALLY CO-SPONSORED BY:

- IEEE Austria Section
- IEEE Croatia Section
- IEEE Communications / Microwave Theory and Techniques Societies Joint Austria Chapter
- IEEE Communications Society Croatia Chapter

TOPICS

We are soliciting contributed technical papers, special session proposals, and workshops proposals referring to the following topics of interest:

- All-optical networks, optical switching and routing, data center networks
- Broadband mobile and wireless communications
- Internet of things (IoT), machine-to-machine (M2M) communication and sensor networks
- Smart spaces: context- and situation-awareness
- Networking in the cloud
- Internet and next generation networking
- Energy-efficient protocols and networking
- Software defined networks and network function virtualization
- Software technologies and platforms for emerging services
- Multimedia applications, rich communications services and networked games
- QoE and QoS assessment and provisioning
- Big data in telecommunications
- Social networking and social media

SPECIAL SESSIONS

New educational paradigms in telecommunications
Information and Communication Technologies for Crisis & Disaster Management
The 1st Vision Workshop on Optical Wireless Communications

IMPORTANT DATES

February 14, 2019: ~~Special Session and Workshop Proposals, Due~~
Extended to April 8, 2019: Full Papers, Due
May 10, 2019: Notification of Acceptance/Rejection
May 24, 2019: Final, Camera Ready Papers, Due

PAPER SUBMISSION

Papers submitted to ConTEL must not have been published, submitted, or accepted for publication elsewhere. IEEE policy regarding plagiarism and duplicate submission/publication will be strictly enforced. Papers should be submitted electronically before submission deadline, via EDAS (<http://edas.info>). Paper submissions should follow the IEEE double-column format for conferences (templates available on the conference Web site, <http://www.contel.hr/2019>). A maximum of (8) pages, including all figures and references, are allowed for each paper. Submitted papers will undergo a peer review process, coordinated by the Program Committee. Submission of a paper implies that, should the paper be accepted, at least one of the authors must register and attend the conference to present the work.