

4th CoBCom – International Conference on Broadband Communications for Next Generation Networks and Multimedia Applications

12TH – 14TH OF JULY, 2022, IEEE Technical Co-Sponsored ConferenceGraz University of Technology, Inffeldgasse 12, A-8010 Graz, AUSTRIA, <https://www.tugraz.at/institute/ihf/news/konferenzen/>**General Chairs**

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After the successful 1st International Conference on Broadband Communications for Next Generation Networks and Multimedia Applications (CoBCom) in 2016, the 2nd CoBCom in 2018, and the 3rd CoBCom in 2020, the 4th International Conference on Broadband Communications for Next Generation Networks and Multimedia Applications will be held in Graz, Austria, on July 12th – 14th, 2022. Through its technical program, the CoBCom 2022 conference will provide again 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.

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. Graz's architecture is dominated largely by the struggle of the Reformists and the Habsburgs' Counter Reformation. A significant landmark of the city is the romantic Urturm (Clock Tower), situated on top of the Schlossberg mountain, with a clock still using its original mechanism from 1712. Today Graz is the second largest city in Austria and home to around 280.000 people. It offers a great deal of cultural events, like the Styriade, an annual exhibition, dedicated to contemporary art, theatre and performing arts.

For up-to-date information on CoBCom, visit the CoBCom Homepage: <http://www.cobcom.tugraz.at>.

ORGANIZED BY: Graz University of Technology – Faculty of Electrical and Information Engineering,

TECHNICALLY CO-SPONSORED BY: IEEE Austria Section

TOPICS

We are soliciting contributed technical papers, special session proposals, and workshops proposals referring to the following topics of interest, but not limited to these fields and contents:

- Internet and next generation networking
- Internet of things, machine-to-machine communication and sensor networks
- Networking in the cloud
- Software defined networks and network function virtualization
- Software technologies and platforms for emerging services
- Design and applications for mobile and wireless services
- All-optical networks
- Broadband mobile and wireless communications
- Satellite and space communications
- Antennas and wave propagation including near-field communication and RFID
- Multimedia applications, rich communications services and networked games
- QoE and QoS assessment and provisioning
- Energy-efficient protocols and networking
- Smart spaces: context- and situation-awareness
- Social networking and social media
- Big data in telecommunications
- Electronic communications market and regulatory issues

IMPORTANT DATES

January 15, 2022:	Special Session and Workshop Proposals, Due
March 17, 2022:	Full Papers, Due
May 17, 2022:	Notification of Acceptance/Rejection
June 15, 2022:	Final, Camera Ready Papers, Due

PAPER SUBMISSION

Papers submitted to CoBCom must not have been published, submitted, or accepted for publication elsewhere. IEEE policy regarding plagiarism and duplicate submission/publication will be strictly enforced. Papers may 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). A maximum of (8) pages, including all figures and references, are allowed for each paper. Papers in excess of page limits shall not be considered for review or publication. 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. Instructions and guidelines for electronic submission are available on CoBCom Web site (<https://www.tugraz.at/institute/ihf/news/konferenzen/>). **Please watch the website, because of current COVID-19 situation!!**

SPECIAL SESSION AND WORKSHOP PROPOSALS

Proposals are solicited for **special sessions** related to the conference topics. A special session proposal (up to 2 pg.) should contain the session organizer(s) short bio and contact information, the special session title, summary, and objectives, and a list of prospective authors and papers to be submitted to the special session.

Proposals for **half and full day workshops** to be held in conjunction with the main conference are solicited. A workshop should focus on a specific theme related to the main conference topics. The proposal (up to 2 pg.) should clearly describe the theme and scope of the workshop, and include the workshop chair(s) short biography and contact information, and a tentative list of program committee members.

An **International CEEPUS and ERASMUS Workshop on Microwave Technologies, Radars, Remote Sensing and Communications (with special paper submission deadline)** is fixed, with the i) General CEEPUS Special Session, ii) Special Session on Remote Sensing and Radars and iii) Special Session on Microwave Technologies and Communications. Also an **Industrial Workshop on 5G, Networks and Security** with international and local companies, telecom providers and regulator authorities is planned on the July 8th connected to CoBCom 2020.