

Special Session on 14th Microcoll (Microwave Communications)

Name and affiliation of organizers

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[Lajos Nagy received PhD degrees from the Budapest University of Technology and Economics (BME), in 1995. He joined the Dept. of Broadband Infocomm. and Electromagnetic Theory in 1986, where he is currently the head of department. He is a lecturer on Antennas and Radiowave propagation at BME. He is the Hungarian Comm. Secretary of URSI, Chair of the IEEE Chapter AP/ComSoc/ED/MTT.]

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Eszter Udvary received Ph.D. degree in electrical engineering from Budapest University of Technology and Economics (BME), Budapest, Hungary. She is currently an associate professor at BME and she leads the Optical and Microwave Telecommunication Lab. Dr. Udvary's research interests are in the broad areas of optical communications. She is a member of IEEE.

Scope of the session

It is a tradition that the Microcoll international conference is regularly organized in Budapest in the field of microwave and optical communications. In 2018 this tradition is also revived by organizing the 14th Microcoll in the form of a special section which is co-located with CSNDSP 2017.

The Microcoll Workshop will be focused on the hardware and software aspects of fix and mobile microwave, millimeter wave and THz systems. It will be a forum for its traditional topics like wave propagation, antennas, active and passive devices and circuits, metastructures, theory, technology and applications of new microwave and optical approaches.

Prospective authors are invited to submit original and unpublished work on the following research topics related to this Special Session:

- *antennas and wave propagation*
- *microwave photonics*
- *microwave and optical electronics*
- *combined optical and wireless systems*
- *terrestrial microwave links*
- *mobile communications*
- *millimeterwave and THz technologies*
- *metastructures*