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7th Colloquium on Satellite and Space Communications

Co-located with the 13th IEEE/IET *International Symposium on COMMUNICATION SYSTEMS, NETWORKS & DIGITAL SIGNAL PROCESSING (CSNDSP'22)*

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This Colloquium addresses problems related to power and spectrum efficiency, flexibility and adaptability to different propagation conditions, broadband requirements and regulatory implications, mobile services, parameter estimation and synchronization at very low SNR values, fading and interference mitigation techniques, complexity and feasibility issues, but also cross-layer protocol and standardization problems might be considered. Of particular interest are topics focusing on optical communications for satellite scenarios.

According to the above, the topics of primary interest include:

- Propagation models and antenna technologies
- Novel modulation, synchronization and coding techniques
- Advanced fading and interference mitigation methods
- High throughput satellite networks
- Integration of satellite systems and 5G networks
- Extremely high frequency satellite links
- Small satellite missions and technologies
- Machine learning and artificial intelligence in satellite networks
- Satellite-based quantum communication
- Optical solutions for satellite scenarios

For further information about this colloquium, please contact: Dr. Wilfried Gappmair (gappmair@tugraz.at)