

# Call for Papers

## Satellite Communications and Networking

*The 16<sup>th</sup> International Wireless Communications & Mobile Computing Conference*

IWCMC 2020 Website: <http://iwcmc.org/2020/>

Submission Link: <https://edas.info/newPaper.php?c=23637>

**Limassol, Cyprus**

**Jun 15 – 19, 2020**

*Technically sponsored by: IEEE & IEEE Lebanon Section*

### Chairs:

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### Scope:

The Satellite Communications and Networking Symposium invites submissions of high-quality original research papers exploring the architecture and techniques in integrated terrestrial-satellite networks. Currently, there are still large number of population without coverage of mobile service, and many emerging scenarios, such as Unmanned Aerial Vehicle (UAV) control, pipeline monitoring, or global container tracking, require the aid of wireless networks. However, existing networks are severely hindering these services from achieving their true potentials. Satellite network is an ideal solution to address such a problem. While the terrestrial networks can achieve high-speed data service at low cost, satellites may cover an area of thousands of kilometers in radius, providing coverage to otherwise inaccessible locations. Thus, investigations of innovative technologies in terrestrial-satellite networks is in great need to bring out its true potential.

Potential topics of interest include, but are not limited to:

- Coding, modulation and synchronization in SatelliteCom
- Cognitive radio, spectrum sensing and spectrum sharing between terrestrial and satellite systems
- Interference modeling, management and cancellation in SatelliteCom
- Massive MIMO, antenna array and beamforming design in SatelliteCom
- Wireless MAC protocols for integrated networks in SatelliteCom
- Distributed and centralized resource allocation schemes in SatelliteCom
- Multiple access strategies, with particular emphasis on heterogeneous networks
- Heterogeneous users scheduling and management in SatelliteCom
- Cross-layer design for integrated terrestrial and satellite networks
- Integrated terrestrial-satellite network architectures
- Integration of 5G and satellite systems to extend service coverage
- Software-defined networking (SDN) and mobile cloud applied to integrated networks

- Routing protocols in integrated terrestrial-satellite networks

Accepted and papers will be published in the IEEE IWCMC 2018 proceedings and will be submitted to the IEEE digital library (IEEE Xplore).

### **Submission Guidelines:**

Prospective authors are invited to submit original technical papers—up to 6 pages of length, using the EDAS link <https://edas.info/newPaper.php?c=23637> for possible publication in the IWCMC 2020 Conference Proceedings, which will be included in the IEEE Xplore. Selected papers will further be considered for possible publication in three special issues in the following Journals. For more information, visit:

<http://iwcmc.org/2020/>

1. The International Journal of Sensor Networks (IJSNet)  
<http://www.inderscience.com/browse/index.php?journalCODE=ijsnet>
2. The International Journal of Autonomous and Adaptive Communications Systems (IJAACS)  
<http://www.inderscience.com/jhome.php?jcode=ijaacs>
3. KSII Transactions on Internet and Information Systems: <http://www.itiis.org/>
4. Peer-to-Peer Networking & Applications:  
<http://www.springer.com/engineering/signals/journal/12083>
5. Cyber-Physical Systems journal: [www.tandfonline.com/loi/tyb20](http://www.tandfonline.com/loi/tyb20)
6. Recent Advances on Communications and Networking Technology:  
<http://www.benthamscience.com/journal/index.php?journalID=racnt>

**Note:** There will be best paper award, best Symposium award and best Workshop award.

### **Important Dates:**

Submission:	10 January 2020
Acceptance notification:	30 March 2020
Registration/Camera-ready:	30 April 2020

**TPC Members:** TBD