

Call for Papers

Vehicular Communications Symposium

The 16th International Wireless Communications & Mobile Computing Conference (IWCMC 2020)

IWCMC 2020 Website: <http://iwcmc.org/2020/>
Submission Link: <https://edas.info/newPaper.php?c=26206>

Limassol, Cyprus
June 15 — 19, 2020

Technically sponsored by: IEEE and IEEE Lebanon Section

Organizing Committee

Symposium Chair:

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Scope:

Recent advances in vehicular communications and computing technologies have enabled various types of vehicular communications and networks, intra-vehicle, vehicle-to-infrastructure (V2I), vehicle-to-roadside (V2R), and vehicle-to-vehicle (V2V) or mobile-to-mobile (M2M) communications. As vehicles are required to be more intelligently connected, there has been a strong interest in developing various techniques and important applications in vehicular communications and networks, which are envisioned to revolutionize the driving and travel experiences and traffic control systems. The objective of this symposium is to bring together researchers and engineers from both academia and industry worldwide to present cutting-edge research achievements covering all aspects of vehicular communication and networking technologies regarding research, developments, standardization, and applications of current and future vehicular communications and networks.

Topics

Accepted papers will be published in the IEEE IWCMC 2020 proceedings and will be submitted to the IEEE digital library (IEEE Xplore). Authors are welcome to original contributions on all aspects in vehicular communications and networks, including, but not limited to, the following topics of interest:

- Antenna technologies
- Channel measurement and modeling

- Coverage control and analysis
- Network architecture and management
- Mobility models and topology control
- Mobility management and vehicle tracking
- Intra-vehicle, V2I, V2R, and V2V communication protocols
- Medium access control
- Radio resource management and quality-of-service (QoS) support
- Cross-layer design and optimization
- Cooperative vehicular communications
- Green vehicular communications
- Software defined vehicular networks
- Vehicular information centric networks
- Data management and processing
- Security and privacy technologies for automotive networking
- Transportation safety and non-safety applications and services
- Road traffic monitoring and control
- Teletraffic congestion control, multicast, mobility management, etc.
- Intelligent transportation systems
- Railway communications
- Interoperability and gateways to Internet or 5G networks
- Internet of Vehicles and Internet of Mobile Things
- Vehicular cloud and cloud-assisted vehicle communications
- Simulation framework and performance evaluation techniques
- Real-time experimental systems and testbeds for vehicular communications
- Standardization activity
- Unmanned aerial vehicle (UAV) communications

Important Dates

Submission:	January 10, 2020
Acceptance notification:	March 30, 2020
Camera-ready paper submissions:	April 30, 2020

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=26206> for possible publication in the IWCMC 2020 Conference Proceedings, which will be submitted to the IEEE Xplore. Selected papers will further 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/tcyb20

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

TPC Members:

TBD