Call for Contributions for

Submission:
1. Inform the Chair: with the Title of your Contribution
2. Submission URL:
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=UBICOMM+2019+Special
Please select Track Preference as **WNAV**

Special track

WNAV: Wireless Networking and Enabling Technologies for Autonomous Vehicles

Chair

Professor Lamia Chaari Fourati**,** Computer Science and Multimedia Higher Institute and Researcher at **L**aboratory of **T**echnologies for **S**mart **S**ystems (LT2S), Sfax Digital Research Center, Sfax University, Tunisia
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Organizers

Assistant Professor Mohamed Fourati, ISIMS, Tunisia
Assistant Professor Ahlem Saddoud, FSEGS, Tunisia
Assistant Professor Emna Charfi, FSS, Tunisia
Researcher Olfa Ben Rhaiem, ENIS, Tunisia

along with

UBICOMM 2019, The Thirteenth International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies
http://www.iaria.org/conferences2019/UBICOMM19.html
September 22, 2019 to September 26, 2019 - Porto, Portugal

In the last decade, new advancements related to wireless networking and enabling technologies for Autonomous Vehicles (AV) are exploding growth. Accordingly, AV and networked vehicles will be widely deployed. Future vehicles will integrate networks for intra-vehicles communications (such as CAN, LIN, Flexray) and networks for inter-vehicles communications. Besides that, future vehicles will exchange data and interact with Internet of Things (IoT) eco-system. Furthermore, the next-generation of cellular networks will basically integrate vehicles communications. In this context, new investigations and contributions should be done related to AV enabling technologies and communication systems. However, it is a need for a coordinated approach towards a unified networking vision related AV networks. Thus, this special track aims to cover the most recent results and research, addressing innovative solutions defining new wireless networking approaches, emerging and enabling technologies

Prospected authors are invited to submit their original contributions, surveys and case studies that address the world of AV networks.

Topics include, but not limited to:
- Routing and MAC protocols for AV
- Cross layer protocols for AV
- Multicast on AV Networks
- Content Delivery in AV Networks
- Security approaches and Protocols for AV Networks
- Wireless Communications and Vehicular Networking
- Network Architecture for AV
- Connected Smart Cars

- Software-Defined-Network Approaches for AV Networks
- Networking Simulation/Emulation for AV environments
- Testbed Results for AV Network
- Bio-Inspired approaches for AV Networks
- UAV Connectivity Maintenance in Highly Mobile Environments
- Models and Algorithms for Control of AV Communication Networks
- AV Quality of Service (QoS) provisioning
- Cellular to Vehicles communications
- 5G resources allocation to handle vehicular communications
- Networked Control Optimization for AV
- Distributed Networked AV Control Systems
- AV Networks Survivability and Reliability
- Radio resource management schemes for AV
- Spectrum sharing and future spectrum requirements for AV
- Sound and electromagnetic waves detection schemes
- Intra-vehicles Networks
- Multi-hop and relay-based communications
- Emerging applications based on AV
- Unmanned Aerial Vehicles
- Drone classification and identification
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Important Datelines
Inform the Chair: As soon as you decide to contribute
Submission: July 26, 2019
Notification: August 16, 2019
Registration: August 26, 2019
Camera-ready: August 26, 2019
Note: These deadlines are somewhat flexible, providing arrangements are made ahead of time with the chair.

Contribution Types
- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Paper Format
- See: http://www.iaria.org/format.html [both LaTex and .doc templates]
- Before submission, please check and comply with the editorial rules: http://www.iaria.org/editorialrules.html
- More information on camera ready preparations will be posted after the paper notifications are sent out.

Publications
- Extended versions of selected papers will be published in IARIA Journals: http://www.iariajournals.org
- Print proceedings will be available via Curran Associates, Inc.: http://www.proceedings.com/9769.html
- Articles will be archived in the free access ThinkMind Digital Library: http://www.thinkmind.org

Paper Submission
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Registration
- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at http://www.iaria.org/registration.html

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