

Call for Contributions

1. Inform the Chair

2. Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=VEHICULAR+2021+Special>

Please select Track Preference as **RACV2X**

3. Note: *For 2021, all events will be held in a hybrid mode: on site or virtual choices (live, prerecorded videos, voiced presentation slides, and .pdf slides). We hope for better times allowing us to return to the traditional on site scientific events. However, we are ready to adapt any which way the conditions dictate.*

Special track

RACV2X: Recent Advances and Challenges in V2X Communications

Chair

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along with

VEHICULAR 2021: The Tenth International Conference on Advances in Vehicular Systems, Technologies and Applications

<https://www.aria.org/conferences2021/VEHICULAR21.html>

July 18, 2021 to July 22, 2021 - Nice, France

In this Special Track we focus on recent advances and challenges in V2X communication. It covers all aspects of next-generation V2X communication technologies such as ITS G5/WAVE, LTE-V2X, 4G/5G/6G, VLC, mmWave with advanced computing and AI applied in the context of V2X applications. The special track aims also to identify respective challenges, research needs, and to encourage cross-disciplinary collaborations related to the design of secure V2X communication systems.

Topics include, but not limited to

- V2X cooperation for automated driving
- Medium access control protocols for V2X
- Geographical routing protocols for V2X
- DTN/ICN for V2X communications
- 5G/6G technologies for vehicular communications
- Security in vehicular networks (ITS-G5, LTE-V2X, 4G/5G)
- V2X standards and their evolutions (e.g., 802.11p, ITS G5, LTE-V2X, 802.11bd, 5G-V2X, IEEE 802.15.7, IEEE 802.16.9)
- Cyber-attacks modeling
- V2X Experimental Research using Testbeds
- Cooperative ITS solutions
- Blockchain for V2X
- Vehicular social networks
- Simulation and impact evaluation of cyber-attacks in vehicular networks
- End-to-End security and privacy in vehicular hybrid networks
- Group mobility/Platooning/Autonomous driving in smart cities
- QoS provisioning for vehicular networks

- SDN/NFV for vehicular communication
- Heterogenous vehicular networks (ITS-G5, 3G/4G/5G, VLC, Satellite)
- Routing protocols for active safety in V2X
- Simulation and performance evaluation techniques for vehicular networks

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]

Important Datelines

Inform the Chair or Coordinator: As soon as you decide to contribute

Submission: June 14, 2021

Notification: June 26, 2021

Registration: July 2, 2021

Camera ready: July 3, 2021

Note: The submission deadline is somewhat flexible, providing arrangements are made ahead of time with the chair.

Paper Format

- See: <http://www.iaria.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaria.org/editorialrules.html>

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

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=VEHICULAR+2021+Special>

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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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