16th International Workshop on Communication Technologies for Vehicles
(Nets4Cars, Nets4Trains, Nets4Aircrafts, Nets4Spacecrafts)
November 16-17, 2021 – Madrid, Spain
CALL FOR PAPERS

As in the fifteen previous editions, the **Nets4 Workshop** will serve as a platform to share state-of-the-art research and innovative contributions to the communication technologies for vehicles field. Therefore, we invite prospective authors for contributions in the theory and/or practice of intelligent transportation systems (ITS) and communication technologies for vehicles on the **road** (i.e., cars, trucks and buses), **air** (i.e., aircraft and unmanned aerial vehicles), **rail** (i.e., trains, metros and trams) and **space** (i.e., satellites, CubeSats, HAPs, 5G-SatComs).

Areas of interest of the workshop include (but are not limited to):

- Vehicle-to-vehicle, vehicle-to-infrastructure and In-vehicle communications.
- Vehicle-to-Internet communications, roadside infrastructure and core network.
- Radio technologies for V2X (radio resource management and interference management, physical layer, propagation models, antennas, etc.).
- Protocols for vehicular networks (MAC/link layer, routing, IP mobility, dissemination, transport, applications, etc.) and performance enhancements.
- Data dissemination, processing, and aggregation in vehicular networks.
- Safety, reliability, and dependability in vehicular networks.
- Mobility management, Network management, traffic modeling and optimization.
- Trajectory optimization and trajectory and separation management.
- Information management, enhanced communication, surveillance and navigation.
- Digital maps and localization using communication technologies and GNSS applications.
- Applications for vehicular networks: multimedia applications, safety vs. non-safety.
- Cooperative ITS solutions, traveler information services and multi-modal transport.
- Analytical, simulation, and experimental systems.
- Field operational testing and results.
- Recent standardization efforts and problems (e.g., C-V2X, LTE-R,5G-NR).
- International harmonization activities.
- Security and privacy in vehicular communications.
- New trends for connected vehicles (digitalization, maintenance, etc.).

Authors are invited to submit full papers comprising original work, not previously published, in English of **max. 12 pages** (or max. 8 pages for a work in progress) in LNCS single-column format. Please, refer to author's **guidelines** at Springer's site: https://www.springer.com/gp/computer-science/lncs/conference-proceedings-guidelines for more information

A properly **anonymized** (should not contain the names/details of the authors) version of the paper has to be submitted to https://easychair.org/conferences/?conf=nets42021, previously to the paper submission deadline.

All papers will be **peer-reviewed** by an International Technical Program Committee with appropriate expertise. Accepted papers will be presented by their authors at the workshop and **published** in the **Springer LNCS** (*Lecture Notes in Computer Science*) series.

As for the camera-ready paper submission, we encourage authors to include their ORCIDs in their papers. In addition, the corresponding author of each paper, acting on behalf of all of the authors of that paper, must complete and sign a Consent-to-Publish form. The corresponding author signing the copyright form should match the corresponding author marked on the paper. Once the files have been sent to Springer, changes relating to the authorship of the papers cannot be made.

IMPORTANT DATES

* Paper submission deadline: 30 July 2021.
* Notification of acceptance: 30 September 2021.
* Camera-ready paper submission: 5 October 2021.
* The event: 16-17 November 2021.

Full details are available at:
http://grc.upm.es/home/nets4workshop-2021