

| About the Conference

[Call for Papers: 16th IEEE Vehicular Networking Conference (VNC)]

IEEE VNC 2025 - Call for Papers

16th IEEE Vehicular Networking Conference (VNC)

June 2-4, 2025

Porto, Portugal

<https://vnc2025.ieee-vnc.org/>

The 2025 IEEE Vehicular Networking Conference (VNC) seeks to bring together researchers, professionals, and practitioners to present and discuss recent developments and challenges in vehicular networking, V2X communications

connected & automated driving, and related applications. Topics of interest include, but are not limited to:

Connectivity

- Radio technologies for vehicular networks (e.g., channel measurements, propagation models, antenna design)
- V2X communication technologies, including DSRC, C-V2X, 5G/6G, satellite, and emerging technologies like VLC, mmWave, THz, or massive MIMO, beamforming, Integrated Sensing and Communication (ISAC)/ Joint Communication and Sensing (JCAS)
- Networking, transport and QoS management for vehicular networks
- In-vehicle communication and networking systems
- Time-sensitive and deterministic networks for vehicular communications

Architecture and System Design

- Heterogeneous vehicular networking (e.g., multi-radio, multi-channel, multi-application, multi-technology, multi-operator) and coexistence of access technologies
- Architectures and system designs for connected automated driving incl. cloud and edge computing and IoT integration
- Security, privacy, liability, and dependability of vehicular networks
- Integration of V2C communications with on-board systems and networks
- Software defined networks and software defined vehicles

📅 Important Dates

JUN
02

CONFERENCE DATE
June 2-4, 2025

Tools & Methods

- Platforms for simulation, emulation, prototyping, measurement, field-trials, and real-world deployment of vehicular networks
- Optimization techniques and artificial intelligence (e.g., linear programming, machine learning) with unique benefits for vehicular applications
- Modeling, design, and analysis of vehicular networks and applications

Applications

- Cooperative perception, cooperative maneuvering and driving
- Extended V2X sensing and perception
- Innovative vehicular network applications and their communication requirements
- Vulnerable road users protection
- Human-computer interfaces and robotics for cooperative driving
- Impact assessments of vehicular networks on transportation (e.g., safety, efficiency, comfort, privacy, and environmental sustainability)

All submitted papers will be peer-reviewed. The Best Paper Award will be selected and handed out by our Best Paper committee. Conference content will be submitted for inclusion into IEEE Xplore as well as other Abstracting and Indexing (A&I) databases.

Deadlines

- January 15, 2025: Full/short paper submissions due
- March 28, 2025: Poster and Demo submissions due
- March 21, 2025: Acceptance notifications (full / short papers)
- April 25, 2025: Acceptance notifications (poster / demos)
- April 25, 2025: Camera-ready versions due
- June 2, 2025: Conference starts

Manuscript submissions

The submitted papers must be written in English and be formatted in the standard IEEE two-column format and with a font size no less than 10-point. The mandatory IEEE template in Microsoft Word and LaTeX format can be found at the IEEE templates page. The submission process is not double-blind and authors may include their names, affiliations, and other identifying information in the submitted manuscripts. Only Adobe PDF files will be accepted for the review process. All submissions must be made electronically through EDAS.

<https://edas.info/N32840>

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Submission Types
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The conference will consider four categories of submissions:

- Full papers should describe novel research contributions and are limited in length to eight (8) printed pages including figures, tables, and references. Papers exceeding 8 pages will be declined automatically and will not be reviewed.

- Short papers should be more visionary in nature and may report on work-in-progress without fully finished results. They are meant to present novel perspectives, so as to foster discussions about innovative directions and new points of view. They are limited to at most four (4) pages including figures, tables, and references, but might in many cases be even shorter. Accepted short papers will be included in the proceedings and will be given (a shorter) time for oral presentation at the conference.

- Posters are especially suited for presenting controversial research directions that may generate discussion, or promising ideas not yet fully validated through complete extensive evaluation. They are limited to at most two (2) pages and their title must begin with "Poster:".

- Demonstration (demo) papers are suited for researchers to showcase their latest prototypes with media, models, or live demonstrations. They are limited to at most two (2) pages and their title must begin with "Demo:".

Please note that these categories (in particular: full paper and short paper) target different kinds of contributions. Papers submitted to one category will NOT be moved to a different category: a paper will either be accepted in the category where it has been submitted, or it will be rejected (in particular: full papers will not be "downgraded" to short papers). Therefore, please be sure to carefully assess for yourself prior to submission which is the most suitable submission category for your paper, and to make sure that the presentation in the manuscript is well suited to the aims of this category.

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Submission Process
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Submitted papers must be IEEE compliant Adobe PDF files written in English, formatted in standard IEEE two-column format with a font size no less than 10-point. Reviewing is not double-blind, so authors may include their names, affiliations, and other identifying information in submitted manuscripts. Only compliant files will be accepted for review.

All submissions must be made electronically through EDAS.

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