

IEEE WCNC 2026

CALL FOR PAPERS

Workshop on Sensing-Communication-Control (SCC) Synergy for Collaborative Autonomous Driving in IoV

13-16 April 2026 // Kuala Lumpur, Malaysia

Important Dates

Paper Submission

Deadline:

1 December 2025

Final workshop papers

due:

22 February 2026

Acceptance

announcement:

5 February 2026

Submission Guidelines

1. **Format:** IEEE conference template
2. **Language:** English
3. **System:** EDAS or the designated conference submission platform
4. **Review:** Review Process: Double-blind peer review by at least 3 TPC members; Acceptance Criteria: Novelty, technical quality, relevance to SCC synergy, clarity, and potential impact
5. **Submission link:** <https://wcnc2026.ieee-wcnc.org/>

Workshop Scope

The Internet of Vehicles (IoV) is emerging as a critical enabler of collaborative autonomous driving, where vehicles and infrastructure interact through V2X communications to achieve safe, efficient, and reliable traffic operations. While single-vehicle intelligence has advanced significantly, it remains limited by onboard sensing and computing capabilities, leading to blind spots and incomplete decision-making in complex traffic environments. To unlock the full potential of IoV, collaborative perception, decision-making, and control among vehicles and infrastructure are required. However, large-scale collaboration imposes unprecedented demands on V2X networks, including ultra-reliable, low-latency exchange of massive sensory data. Given the limited and dynamic nature of communication resources, transmitting all raw information is infeasible. The key challenge is thus to design intelligent SCC synergy mechanisms that determine what, when, and how to sense, communicate, and control in a resource-constrained, highly dynamic environment.

WORKSHOP ORGANIZERS

Prof. Lei Lei	University of Guelph
Prof. Jie Mei	Ningbo University
Prof. Tarik Taleb	Ruhr University Bochum
Prof. Min Chen	South China University of Technology
Dr. Manabu Tsukada	University of Tokyo
Dr. Lu Hou	Beijing University of Posts and Telecommunications

Canada	leil@uoguelph.ca
China	meijie@nbu.edu.cn
Germany	tarik.taleb@rub.de
China	minchen@ieee.org
Japan	mtsukada@g.ecc.u-tokyo.ac.jp
China	houlu8674@bupt.edu.cn