22nd IEEE International Conference on Factory Communication Systems

CALL FOR DEMOS

Open Demo Session on Industrial (Mobile) Communication Systems

The 22nd IEEE International Conference on Factory Communication Systems (WFCS 2026) invites proposals for demonstrations. Demonstrations complement the conference with practical showcases from the industry on best practices in the field and advances currently underway in research and academia. The demo session of WFCS 2026 is a high-profile, leading-edge forum for researchers and engineers in factory communication systems and offers a unique opportunity to directly engage with the audience, generate interest in new research topics, and encourage wider adoption of common frameworks.

Prospective contributors are expected to submit a demo proposal in the form of a 2-3 page paper including an architecture description and an illustration of the elements that will be demonstrated. In addition, authors are encouraged to include a link to a short 5–10-minute video showcasing the demonstration within the paper itself. All submissions must be written in English and use the standard IEEE two-column conference template. An accompanying separate document should also describe the demo setup details and requirements, e.g., with regard to electricity, internet access, etc. The demo proposals will be reviewed by the IEEE WFCS 2026 program committee and will be approved based on the availability of demo space as well as on the following criteria: (i) Extent and significance of the research contribution or insights into best practices, (ii) potential impact on the audience, and (iii) quality and depth of the proposed implementation. Accepted demo papers will be published in the conference proceedings. At least one author of an accepted demo must register for the conference at the full rate, give a short introductory talk, and present the demo (live demo, VPN connection to home lab and/or prerecorded parts, optional poster, etc.) at the IEEE WFCS 2026.

TOPICS

Topics of interest and within the scope of IEEE WFCS 2026 include, but are not limited to, the following:

- Wired and Wireless Industrial Communication Systems and Technologies
- Industrial Internet of Things (IIoT)
- Cloud/Fog/Edge Computing Architectures and Applications in Industrial Automation
- Machine Learning and Data Analytics for Industrial Communication Systems
- Security and Safety of Industrial Communication Systems (IEC 738
- Fault tolerance for reliability and availability of Industrial Communication Systems
- Communication Protocols, Standards, and emerging technologies for Real-Time and Networked Embedded Systems (5G/B5G/6G, WiFi7/WiFi8, TSN, IEC 61850, IEC 62439, etc.)
- Communication in Cyber-Physical Systems and Distributed Control Systems
- Communication Challenges in Collaborative Robotics and Automation
- Traffic Scheduling and Application-Network Integration
- Case Studies, Industry Practices and Lesson Learned in Factory Communication
- Recent Advances in Communications in Research Domains with Similar Requirements/ Characteristics (Smart Cities, Smart Grid, Smart Transportation, Smart Health, Ambient Assisted Living, Smart Building/ Smart Home, Smart Agriculture, etc.)
- Management aspects related to heterogeneous industrial Networks

Demo paper submission deadline: **February 27, 2026**
Demo acceptance notification: **March 15, 2026**
Final version of demo paper: **March 20, 2026**

TUTORIAL AND DEMO CO-CHAIRS

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WFCS 2026

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