

51ST IEEE CONFERENCE ON LOCAL COMPUTER NETWORKS

07-09 OCTOBER 2026, COIMBRA, PORTUGAL | WWW.IEEELCN.ORG

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Call for Papers

The IEEE LCN 2026 conference seeks papers presenting significant research contributions in theoretical and practical aspects of computer networking. LCN is a highly interactive conference that enables an effective exchange of research outcomes and ideas among academics, research students, and industry. For the past 50 years, major developments from network protocols and sensor networks to AI-supported networking and emerging areas like quantum networking have been reported at this conference. LCN welcomes submissions on a wide range of computer networking research, including but not limited to the following:

- AI-enabled networking and adaptive applications
- Cloud, data center, and Big Data networking
- Cognitive radio and opportunistic networking
- Cyber-physical, embedded, and IoT systems, Digital Twins
- Decentralized systems and blockchain networks
- E-Health, smart, and wearable networks
- Green and sustainable networking
- LLM, foundation models and agentic AI applications to networks
- Mobile and ubiquitous networking
- Networks for multimedia, VR, AR applications
- Network management, reliability, and security
- Satellite communications
- Software Defined Networking
- Performance evaluation and measurements
- Large Language Models (LLMs) for networking
- Quantum communication and networking
- Network security and privacy
- Vehicular networking

Authors are invited to submit papers via EDAS describing original, previously unpublished work, not currently under review by another conference, workshop, or journal. All papers are published in the IEEE LCN proceedings and IEEE Xplore. Full regular papers will appear in the *IEEE LCN Proceedings*, while short papers will be published in the *IEEE LCN Companion Proceedings*. IEEE reserves the right to remove papers from IEEE Xplore that are not presented at the conference. There are a number of tracks that are designed to improve interactions of experts over different stages in research development.

- **Full Regular papers** (maximum 8 pages plus references and appendices, 10 pt font in IEEE format) should present novel perspectives within the general scope of the conference.
- **Short papers** (maximum 6 pages plus references and appendices, 10 pt font in IEEE format) are an opportunity to present preliminary or interim results on hot topics in a poster session.

LCN considers in-person meetings indispensable for personal exchanges, discussions, and networking opportunities. Recognizing the evolving landscape of academic conferences and the need for flexibility, LCN offers a **Remote Presentation Option** for an additional registration fee. The additional fee for remote presentations may be waived under specific conditions.

LCN Awards will include a Best Paper Award, Best Demo Award, a limited number of Student Travel Grants, and N2Women Young Researcher Fellowships.

Submit paper

<https://edas.info/N34893>

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IMPORTANT DATES

Paper Registration: April 13, 2026
Paper Submission: April 20, 2026
Notification: June 29, 2026
Camera-Ready: July 27, 2026