



18 - 21 OCTOBER 2027, DAYTONA BEACH, FLORIDA, USA | WWW.IEEE.LCN.ORG

ORGANIZING COMMITTEE

General Chair:

Kanchana Thilakarathna
University of Sydney

Local Arrangement Chair:

Gary Kessler
Gary Kessler Associates, USA

STEERING COMMITTEE

Burkhard Stiller, University of Zürich UZH,
Switzerland (Chair)
Kemal Akkaya, Virginia Commonwealth
University, USA
Karl Andersson, Luleå University of
Technology, Sweden
Nils Aschenbruck, University of
Osnabrück, Germany
Eyuphan Bulut, Virginia Commonwealth
University, USA
Soumaya Cherkaoui, Polytechnique
Montréal, Canada
Ehab Elmallah, University of Alberta,
Canada
Matthias Frank, University of Bonn,
Germany
Frank Huebner, USA
Anura Jayasumana, Colorado State
University, USA
Salil Kanhere, University of New South
Wales, Australia
Gary Kessler, Gary Kessler Associates,
USA
Tim Strayer, BBN, USA
Florian Tschorsch, TU Dresden, Germany
Damla Turgut, University of Central
Florida, USA

CALL FOR PAPERS

The IEEE LCN 2027 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 51 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
- Decentralized systems and blockchain networks
- E-Health, smart, and wearable networks
- Green and sustainable networking
- 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Authors are invited to submit papers via EDAS describing original, previously unpublished work, not currently under review by another conference, workshop, or journal.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. 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.

IMPORTANT DATES

Paper Registration: April 25, 2027
Paper Submission: May 2, 2027
Notification: July 11, 2027
Camera-Ready: August 8, 2027