Call for Papers

48th Annual IEEE Conference on Local Computer Networks

Daytona Beach, Florida, USA
2 – 5 October 2023

http://www.ieeelcn.org

The IEEE LCN conference is the premier conference on the leading edge of theoretical and practical aspects of computer networking. LCN is a highly interactive conference that enables an effective interchange of results and ideas among researchers, users, and product developers. For the past 47 years, major developments from AI-enabled high-speed networking to application-focused IoT networks have been reported at this conference. Topics of interest include, but are not limited to:

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- Personal and wearable networks
- Wireless ad hoc & sensor networks
- Information-centric networking
- Embedded networks
- Opportunistic networking
- Delay-tolerant networks
- Cognitive radio networks
- Vehicular networks
- Smart Grid communications
- Underwater sensor networks
- Cyber-physical systems
- Social networks
- Mobile and ubiquitous networking
- Green networking
- Overlay and peer-to-peer networks
- Local-area and metropolitan-area networks
- Storage-area networks
- Routing and transport protocols
- Big Data Networking
- Cloud computing and networking

- Software Defined Networking and Network Function Virtualization
- Internet of Things
- Link technologies
- Adaptive networking applications
- Authentication, authorization, accounting
- Security and privacy
- Cross-layer optimization
- Mobility and Location-dependent services
- Multimedia and real-time communication
- Machine-to-machine communications for smart environments
- Smart Cities
- Network traffic characterization and measurements
- Network management, reliability and QoS
- Performance evaluation of networks
- Testbeds for network experiments
- Network coding
- Optical and high-speed access networks
- E-Health networking
- AI-enabled networking

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Authors are invited to submit papers describing original, previously unpublished work, not currently under review by another conference, workshop, or a journal. *Full Regular papers* (maximum 8 pages, 10 pt font in IEEE format) should present novel perspectives within the general scope of the conference. *Short papers* (up to 4 pages) are an opportunity to present preliminary or interim results on hot topics in a poster session. The *Doctoral track* provides a supportive setting for Ph.D. students to discuss their problem statement, goals, methods and results (up to 6 pages), obtain feedback from established researchers and establish contacts for entering the job market. This year we are holding dedicated workshops focusing on nascent and promising areas in networking research, which shall involve experts in those areas seeking to foster collaborative development. Full, short, workshop and doctoral papers are published in the IEEE LCN proceedings and IEEE Xplore. All papers must include title, complete contact information for all authors, abstract, and keywords on the cover page. IEEE reserves the right to remove papers from IEEE Xplore that are not presented at the conference.

Paper submission: Papers must be registered on EDAS and submitted in PDF format. Detailed submission instructions are available at the conference website. Direct your questions to Program Chairs: Eyuphan Bulut and Florian Tschorsch.

Important dates:
Paper registration: April 7, 2023
Paper submission: April 14, 2023
Notification: June 23, 2023
Final paper: July 20, 2023