IEEE LCN
Local Computer Networks Conference

Call for Papers

IEEE COMPUTER SOCIETY
TCCC
Technical Committee on Computer Communications

46ᵗʰ Annual IEEE Conference on Local Computer Networks
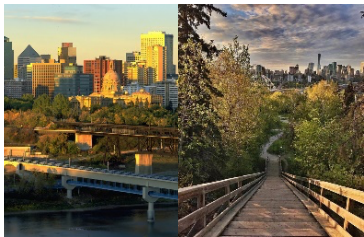
Edmonton, Canada
October 4-7, 2021
http://www.ieeelcn.org

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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 45 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:

- 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
- Test beds for network experiments
- Network coding
- Optical and high-speed access networks
- E-Health networking
- AI-enabled networking

Authors are invited to submit papers describing original, previously unpublished work, not currently under review by another conference, workshop, or a journal.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 12 pages, 10 pt font in IEEE format) should present novel perspectives within the general scope of the conference. *Short papers* (up to 6 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. The Symposium track (maximum 12 pages) aim is to enable timely discussion of novel ideas and challenging future directions on emerging topics in networking. Both full and short papers are published in the 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: Lyes Khoukhi (Lyes.khoukhi@ensicaen.fr) and Sharief Oteafy (SOTEAFY@depaul.edu), and to Florian Tschorsch (florian.tschorsch@tu-berlin.de) regarding the Symposium track.

Important dates:

Paper registration:	May 1, 2021
Paper submission:	May 8, 2021
Notification:	June 22, 2021
Final paper:	July 22, 2021

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