

## Message from the General Chair

### The 45th IEEE Conference on Local Computer Networks (LCN 2020)

#### Message from the General Chair

On behalf of the Organizing Committee, I would like to extend a warm welcome to the attendees of the 45th annual IEEE Conference on Local Computer Networks (LCN). IEEE LCN is a leading conference, and the premier one, on cutting edge and practical aspects of computer networking.

LCN 2020 will be different from all the previous editions. The pandemic has drastically changed the conference landscape this year and LCN is no exception. We are therefore doing the conference fully online this year, with Sydney, Australia as our virtual host city from November 16 to 19, 2020. LCN has been attracting authors from across the world. This year, the top ten author countries are Australia, Germany, USA, France, China, India, Sweden, Japan, Switzerland, and Canada. LCN 2020 has a technically exciting four days program. Starting last year, we continue the Symposium on Emerging Topics in Networking with LCN. The symposium provides an opportunity to present novel ideas on emerging topics in networking. The conference all-in-all offers 23 technical sessions of oral presentation on hot research results in the networking area. The demonstration session this year comprises five demos and will, together with the poster sessions, also be held fully online. Starting this year, LCN now also provides a doctoral track with the goal to engage Ph.D. students that work in the field of networking to actively participate and contribute to the conference. The doctoral track provides a supportive setting for Ph.D. students to receive feedback on their research and get advice on managing their research for entering the job market. The doctoral track was also designed to help participants to establish a network with their peers in selected areas of computer networks.

The conference is honored to have three distinguished keynote speakers - Professor Henning Schulzrinne, Levi Professor in the Department of Computer Science, Columbia University, New York speaking on Do We Still Need Wi-Fi in the Era of 5G?, Dr. Magnus Frodigh, Vice President & Head of Ericsson Research Stockholm, Sweden speaking on Towards 6G, and Professor Arkady Zaslavsky, Professor of Distributed Systems & Security, Deakin University, Melbourne, Australia speaking on Real-Time Distributed Contextual Intelligence in the Era of Ubiquitous Connectivity.

I would like to express my upmost gratitude to the IEEE LCN Organizing Committee. It has been a real pleasure working with such a devoted team who has shown an exceptional dedication and sense of ownership of the LCN event. The program chairs, Hwee Pink Tan and Lyes Khoukhi, have done an excellent job putting together an exciting technical program. Finances have been, as usual, in excellent hands with Frank Huebner. Kanchana Thilakarathna helped in securing financial support for LCN 2020. Florian Tschorsch put together an exciting demonstration session. Special thanks go to Eyuphan for both assisting the Organising Committee members with EDAS matters and preparing the program of the second LCN Symposium. Matthias Wählisch helped on streamlining and coordinating the student participation grants application and selection processes. Sharief Oteafy carefully handled all matters pertaining to publishing the LCN proceedings. Hwee Xian Tan assisted with EDAS matters, while Rahim Rahmani and Maryam Vahabi nicely publicized LCN among the broad networking community. Adel Ben Mnaouer managed registration matters with high dedication. Like prior years, Gary Kessler graciously maintained the conference's web page, and Fabian Marquardt skilfully handled all media aspects regarding the event, an even bigger task this year compared to earlier LCN editions.

Special thanks are to be addressed to the IEEE Computer Society (CS) and to the IEEE Computer Society Technical Committee on Computer Communications (TCCC) for their continuing sponsorship of LCN. Student participation grants have been made possible by the generous financial contribution from the IEEE TCCC. Many thanks need also to be addressed to The University of Sydney financially supporting us this year.

I would like to thank Matthias Frank for his continuing support on maintaining our mailing list, and our standing committee - Kemal Akkaya, Nils Aschenbruck, Joe Bumbulis, Ken Christensen, Ehab Elmallah, Matthias Frank, Anura Jayasumana, Salil Kanhere, Gary Kessler, Burkhard Stiller, Tim Strayer, Jens Tölle, Damla Turgut, and Soumaya Cherkaoui for their sustained involvement in the conference organization. Many thanks also go to the technical program committee members, and all the reviewers for their contribution to the success of LCN. Finally, thanks to all the authors for submitting high quality articles and all attendees for their participation in LCN.

We look forward to meeting all of you and hope that you enjoy LCN 2020!

**Karl Andersson**

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General Chair for IEEE LCN 2020