



Delft University of Technology

Message from the general chairs

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Message from the General Chairs

It is our great pleasure to welcome you to SIGCOMM 2022, the flagship conference of the ACM Special Interest Group on Data Communications! It is of particular pleasure for us to greet you in person, in the lovely city of Amsterdam!

As we all know well, “it's all about networking”. And, even at this time and age, when it comes to human networking, nothing comes close to personal interactions. We are thus particularly excited to hold SIGCOMM 2022 as the first in-person instantiation of the conference after two virtual editions.

SIGCOMM 2022 features an exciting technical program that includes 55 full-length papers, which meets the record-high number of accepted papers from SIGCOMM 2021. Evidently, the SIGCOMM community keeps on excelling and submitting stellar research. To accommodate this trend of growing numbers of accepted papers, the SIGCOMM main program will extend over four days (for the first time in an in-person edition), thus further extending the opportunities to learn, meet, network, interact, and enjoy! Our main program includes keynote talks by the winners of the SIGCOMM Lifetime Achievement Award, Deborah Estrin and Henning Schulzrinne; a best of CCR session; a Student Research Competition; and a poster & demos session with eleven posters and eleven demos. Furthermore, the main program is complemented by seven workshops, three tutorials, and a hackathon. And we will be providing dedicated slots to meet our sponsors, as well as various social events towards making this a vibrant, interactive conference. Needless to say, getting back to the in-person format will give us the opportunity to clink glasses again (and again) during the traditional reception and banquet!

Organizing a conference of the scale and prestige as SIGCOMM, in particular, in these stormy and uncertain days, is a substantial undertaking that requires the combined energy of a large number of volunteers, and we want to extend our deepest thanks to our organizing committee for making this event possible. We would like to thank Brighten Godfrey and Bruce Maggs for their tireless and professional work on producing an amazing technical program and for leading a highly accomplished and dedicated program committee. One of the most important challenges we face is improving inclusivity and diversity, and we thank Andra Lutu and Qing Wang (SRC Chairs), Chen Qian and Jasleen Kaur (Travel Grants Chairs), Mina Tahmasbi Arashloo and Yiting Xia (N2Women Chairs) for their tireless pursuit of this goal. Enabling remote attendance during an in-person conference is a challenging task, and we appreciate the efforts of Ignacio Castro and Gareth Tyson (Virtual Experience Chairs). Our online offerings have been enriched by the topic preview videos organized by Michael Schapira and Tilman Wolf. We thank Anat Bremner-Barr and Zhi-Li Zhang for setting up an exciting and diverse workshop program; Yang Chen and Gabor Retvari for creating a mind-broadening program for tutorials and hackathon; and Danny Raz, Alex Sprintson, Marco Chiesa, and Karin Anna Hummel for putting together a great posters & demos program. We appreciate the invaluable help of Sergey Gorinsky for directing our financials, Matthew Caesar and Pan Hui for conducting the liaison with our sponsors, where Matthew even took it upon him to also lead the registration process, Taejoong “Tijay” Chung and Lin Wang for our web offerings, Aaron Ding and Pedro Casas for conducting

our publicity efforts, and Christian Esteve Rothenberg and Fernando Ramos for streamlining our publication process. Finally, we would like to thank Paola Grosso, the Local Arrangements Chair, for helping to make the most of this opportunity to meet again in person.

Producing a professional-grade international event requires funding, and we most greatly appreciate our sponsors, without whom this event would not be possible: Amazon, Alibaba, Cisco, Huawei, Meta, ByteDance, Google, Intel, Microsoft, Hewlett Packard Enterprise, Akamai, Broadcom, Cloudflare, Comcast, DFINITY, Netflix, SIDN Labs, VMware, and the Amsterdam Convention Bureau. Thanks to these funds and the travel grants support from SIGCOMM and NSF, we were able to enhance the experience of the attendees, provide travel aid and free registrations for many students and attendees from diverse regions, leverage broadcasting platforms that enable us to stream reliably to all parts of the globe, and much more.

The fact that SIGCOMM is again in-person offers longed-for opportunities. Yet the fact that COVID is still with us presents potential challenges. We have done and will be doing, all that we can to make the most of the opportunities while coping with the challenges. We hope you will enjoy SIGCOMM 2022, and we look forward to meeting you in person!

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Message from the Program Chairs

Welcome to SIGCOMM'22! We are delighted that after a two-year hiatus, SIGCOMM will once again be held as an in-person conference. This year's program highlights the latest exciting research results in networking, as well as fascinating reports of experiences operating large-scale networking systems.

In 2022, SIGCOMM received 280 submissions, which was an increase of 34 submissions over 2021. Of these 280 submissions, a total of 55 were accepted (the same number accepted as in 2021), resulting in an acceptance rate of 19.6%. Of the 55 accepted papers, 12 were submitted as experience track papers.

The submissions were reviewed by a program committee consisting of 62 people (including the program chairs), with the help of 5 external reviewers. At the discretion of the program chairs, two papers were withdrawn from consideration because they were wildly out of scope. Reviewing then proceeded in rounds. Each submission was assigned three reviewers in the first round. After two weeks of on-line discussions, 168 papers were selected to advance to the second round, including those few papers whose round-one reviews had not yet been completed. Authors of papers that did not advance to the second round were provided early notification that their papers would not appear at SIGCOMM. Two additional reviewers were then assigned to each second-round paper. Upon completion of these reviews, another week of on-line discussions ensued, with the goal of selecting papers to discuss during the program committee meeting. Thirty papers were accepted prior to the meeting. A total of 56 additional papers were then discussed over a two-day video conference meeting, and 25 more were accepted. Almost all accepted papers were assigned a shepherd, and all papers received a public review explaining what the program committee most liked about the paper.

The program chairs received assistance from many parties, and thanks are in order. First and foremost, we would like to thank the program committee and external reviewers for the many hours they devoted to evaluating the submissions. We would also like to thank the authors of the papers for submitting their work to SIGCOMM. SIGCOMM remains an exciting conference because of the high quality of these submissions! We would like to thank the general chairs Fernando Kuipers and Ariel Orda for their assistance in solving many logistical issues, and the publications chairs Fernando Ramos and Christian Rothenberg for handling all details of producing the final proceedings. We'd like to give special thanks to Danyang Zhuo and Haiying Shen for agreeing at the last minute to serve as co-chairs of the Artifact Evaluation Committee. Finally, we'd like to thank the SIGCOMM Executive Committee and Technical Steering Committee for providing guidance and advice whenever policy issues arose.

We look forward to seeing you in Amsterdam!

Brighten Godfrey (*University of Illinois and VMware*)
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