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 Bremler-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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Contents

Datacenter Networking

Aequitas: Admission Control for Performance-Critical RPCs in Datacenters 1
Yiwen Zhang (*University of Michigan*); Gautam Kumar, Nandita Dukkipati, Xian Wu, Priyaranjan Jha (*Google LLC*); Mosharaf Chowdhury (*University of Michigan*); Amin Vahdat (*Google LLC*)

Time-division TCP for Reconfigurable Data Center Networks 19
Shawn Shuoshuo Chen (*Carnegie Mellon University*); Weiyang Wang (*Massachusetts Institute of Technology*); Christopher Canel, Srinivasan Seshan (*Carnegie Mellon University*); Alex C. Snoeren (*UC San Diego*); Peter Steenkiste (*Carnegie Mellon University*)

ABM: Active Buffer Management in Datacenters 36
Vamsi Addanki (*TU Berlin*); Maria Apostolaki (*CMU*); Manya Ghobadi (*MIT*); Stefan Schmid (*University of Vienna & TU Berlin*); Laurent Vanbever (*ETH Zürich*)

dcPIM: Near-Optimal Proactive Datacenter Transport 53
Qizhe Cai, Mina Tahmasbi Arashloo, Rachit Agarwal (*Cornell University*)

Jupiter Evolving: Transforming Google's Datacenter Network via Optical Circuit Switches and Software-Defined Networking 66
Leon Poutievski, Omid Mashayekhi, Joon Ong, Arjun Singh, Mukarram Tariq, Rui Wang, Jianan Zhang, Virginia Beauregard, Patrick Conner, Steve Gribble, Rishi Kapoor, Stephen Kratzer, Nanfang Li, Hong Liu, Karthik Nagaraj, Jason Ornstein, Samir Sawhney, Ryohei Urata, Lorenzo Vicisano, Kevin Yasumura, Shidong Zhang, Junlan Zhou, Amin Vahdat (*Google*)

5G Networks

Vivisecting Mobility Management in 5G Cellular Networks 86
Ahmad Hassan (*University of Minnesota - Twin Cities*); Arvind Narayanan, Anlan Zhang, Wei Ye (*University of Minnesota*); Ruiyang Zhu, Shuowei Jin (*University of Michigan*); Jason Carpenter (*University of Minnesota - Twin Cities*); Z. Morley Mao (*University of Michigan and Google*); Feng Qian, Zhi-Li Zhang (*University of Minnesota - Twin Cities*)

Understanding 5G Performance for Real-world Services: a Content Provider's Perspective 101
Xinjie Yuan (*Tsinghua-Berkeley Shenzhen Institute, Tsinghua University*); Mingzhou Wu, Zhi Wang (*Shenzhen International Graduate School, Tsinghua University*); Yifei Zhu (*Shanghai Jiao Tong University*); Ming Ma, Junjian Guo (*Kuaishou*); Zhi-Li Zhang (*University of Minnesota – Twin Cities*); Wenwu Zhu (*Tsinghua University*)

Mobile Access Bandwidth in Practice: Measurement, Analysis, and Implications 114
Xinlei Yang, Hao Lin, Zhenhua Li (*Tsinghua University*); Feng Qian (*University of Minnesota - Twin Cities*); Xingyao Li, Zhiming He, Xudong Wu, Xianlong Wang, Yunhao Liu (*Tsinghua University*); Zhi Liao, Daqiang Hu (*UUSense Technology Inc.*); Tianyin Xu (*University of Illinois at Urbana-Champaign*)

SEED: A SIM-Based Solution to 5G Failures 129
Jinghao Zhao, Zhaowei Tan, Yifei Xu, Zhehui Zhang, Songwu Lu (*University of California, Los Angeles*)

L25GC: A Low Latency 5G Core Network based on High-Performance NFV Platforms **143**
Vivek Jain (*University of California, Riverside*); Hao-Tse Chu (*National Yang Ming Chiao Tung University, Hsinchu, Taiwan*); Shixiong Qi (*University of California, Riverside*); Chia-An Lee, Hung-Cheng Chang, Cheng-Ying Hsieh (*National Yang Ming Chiao Tung University, Hsinchu, Taiwan*); K. K. Ramakrishnan (*University of California, Riverside*); Jyh-Cheng Chen (*National Yang Ming Chiao Tung University, Hsinchu, Taiwan*)

Congestion Control

Elasticity Detection: A Building Block for Internet Congestion Control **158**
Prateesh Goyal (*Microsoft Research*); Akshay Narayan, Frank Cangialosi (*MIT*); Srinivas Narayana (*Rutgers University*); Mohammad Alizadeh, Hari Balakrishnan (*MIT*)

Starvation in end-to-end congestion control **177**
Venkat Arun, Mohammad Alizadeh, Hari Balakrishnan (*MIT CSAIL*)

Achieving Consistent Low Latency for Wireless Real-Time Communications with the Shortest Control Loop **193**
Zili Meng (*Tsinghua University, Alibaba Group*); Yaning Guo (*Tsinghua University*); Chen Sun (*Alibaba Group*); Bo Wang (*Tsinghua University*); Justine Sherry (*Carnegie Mellon University*); Hongqiang Harry Liu (*Alibaba Group*); Mingwei Xu (*Tsinghua University, Zhongguancun Laboratory*)

PLB: Congestion Signals are Simple and Effective for Network Load Balancing **207**
Mubashir Adnan Qureshi, Yuchung Cheng, Qianwen Yin, Qiaobin Fu, Gautam Kumar, Masoud Moshref, Junhua Yan, Van Jacobson, David Wetherall (*Google*); Abdul Kabbani (*Microsoft*)

Cebinae: Scalable In-network Fairness Augmentation **219**
Liangcheng Yu (*University of Pennsylvania*); John Sonchack (*Princeton University*); Vincent Liu (*University of Pennsylvania*)

Wide Area Networks

TIPSY: Predicting where traffic will ingress a WAN **233**
Michael Markovitch (*Brown University*); Sharad Agarwal, Rodrigo Fonseca, Ryan Beckett, Chuanji Zhang, Irena Atov, Somesh Chaturmohta (*Microsoft*)

Network Entitlement: Contract-based Network Sharing with Agility and SLO Guarantees **250**
Satyajeet Singh Ahuja, Vinayak Dangui, Kirtesh Patil, Manikandan Somasundaram, Varun Gupta, Mario Sanchez, Guanqing Yan, Max Noormohammadpour, Alaleh Razmjoo, Grace Smith, Hao Zhong, Abhinav Triguna, Soshant Bali, Yuxiang Xiang, Yilun Chen, Prabhakaran Ganesan, Mikel Jimenez Fernandez, Petr Lapukhov (*Meta Platforms, Inc.*); Guyue Liu (*New York University Shanghai*); Ying Zhang (*Meta Platforms, Inc.*)

SDN in the Stratosphere: Loon's Aerospace Mesh Network **264**
Frank Uyeda, Marc Alvidrez, Erik Kline, Bryce Petrini, Brian Barritt, David Mandle, Aswin Chandy Alexander (*Loon LLC*)

Software-defined Network Assimilation: Bridging the Last Mile Towards Centralized Network Configuration Management with NAssim 281
Huangxun Chen (*Huawei Theory Lab*); Yukai Miao (*University of New South Wales*); Li Chen (*Zhongguancun Laboratory*); Haifeng Sun (*Beijing University of Posts and Telecommunications*); Hong Xu (*Chinese University of Hong Kong*); Libin Liu (*Shandong Computer Science Center* (*National Supercomputer Center in Jinan*)); Gong Zhang (*Huawei Theory Lab*); Wei Wang (*Hong Kong University of Science and Technology* (*Guangzhou*), *Hong Kong University of Science and Technology*)

A Case for Stateless Mobile Core Network Functions in Space 298
Yuanjie Li, Hewu Li, Wei Liu, Lixin Liu, Yimei Chen, Jianping Wu, Qian Wu, Jun Liu, Zeqi Lai (*Tsinghua University*)

Testing and Verification

Flash: Fast, Consistent Data Plane Verification for Large-Scale Network Settings 314
Dong Guo, Shenshen Chen (*Tongji University*); Kai Gao (*Sichuan University*); Qiao Xiang (*Xiamen University*); Ying Zhang (*Meta Inc.*); Y. Richard Yang (*Yale University*)

Symbolic Router Execution 336
Peng Zhang, Dan Wang (*Xi'an Jiaotong University*); Aaron Gember-Jacobson (*Colgate University*)

Meissa: Scalable Network Testing for Programmable Data Planes 350
Naiqian Zheng (*Peking University*); Mengqi Liu, Ennan Zhai, Hongqiang Harry Liu, Yifan Li (*Alibaba Group*); Kaicheng Yang, Xuanzhe Liu, Xin Jin (*Peking University*)

SwitchV: Automated SDN Switch Validation with P4 Models 365
Kinan Dak Albab (*Brown University*); Jonathan DiLorenzo (*Google*); Stefan Heule (*Financial Choice*); Ali Kheradmand, Steffen Smolka (*Google*); Konstantin Weitz (*Financial Choice*); Muhammad Tirmazi (*N/A*); Jiaqi Gao (*Harvard University*); Minlan Yu (*Harvard University, Google*)

SimBricks: End-to-End Network System Evaluation with Modular Simulation 380
Hejing Li (*Max Planck Institute for Software Systems* (*MPI-SWS*)); Jialin Li (*National University of Singapore*); Antoine Kaufmann (*Max Planck Institute for Software Systems* (*MPI-SWS*))

Machine Learning

Genet: Automatic Curriculum Generation for Learning Adaptation in Networking 397
Zhengxu Xia (*University of Chicago*); Yajie Zhou (*Boston University*); Francis Y. Yan (*Microsoft Research*); Junchen Jiang (*University of Chicago*)

LiteFlow: Towards High-performance Adaptive Neural Networks for Kernel Datapath 414
Junxue Zhang, Chaoliang Zeng (*Hong Kong University of Science and Technology*); Hong Zhang (*UC Berkeley*); Shuihai Hu (*Huawei*); Kai Chen (*Hong Kong University of Science and Technology*)

Multi-Resource Interleaving for Deep Learning Training 428
Yihao Zhao, Yuanqiang Liu (*Peking University*); Yanghua Peng, Yibo Zhu (*ByteDance Inc.*); Xuanzhe Liu, Xin Jin (*Peking University*)

DeepQueueNet: Towards Scalable and Generalized Network Performance Estimation with Packet-level Visibility 441
Qing-Qing Yang, Xi Peng (*Huawei Theory Lab*); Li Chen (*Zhongguancun Laboratory*); Libin Liu (*Shandong Computer Science Center*); Jingze Zhang, Hong Xu (*Chinese University of Hong Kong*); Baochun Li (*University of Toronto*); Gong Zhang (*Huawei Theory Lab*)

Practical GAN-based Synthetic IP Header Trace Generation using NetShare 458
Yucheng Yin, Zinan Lin, Minhao Jin, Giulia Fanti, Vyas Sekar (*Carnegie Mellon University*)

Monitoring and Measurement

Continuous In-Network Round-Trip Time Monitoring 473
Satadal Sengupta, Hyojoon Kim, Jennifer Rexford (*Princeton University*)

FlyMon: Enabling On-the-Fly Task Reconfiguration for Network Measurement 486
Hao Zheng, Chen Tian (*Nanjing University, China*); Tong Yang, Huiping Lin (*Peking University, China*); Chang Liu, Zhaochen Zhang, Wanchun Dou, Guihai Chen (*Nanjing University, China*)

Predicting IPv4 Services Across All Ports 503
Liz Izhikevich (*Stanford University*); Renata Teixeira (*Inria, Paris*); Zakir Durumeric (*Stanford University*)

PrintQueue: Performance Diagnosis via Queue Measurement in the Data Plane 516
Yiran Lei (*Tsinghua University*); Liangcheng Yu, Vincent Liu (*University of Pennsylvania*); Mingwei Xu (*Tsinghua University*)

Retina: Analyzing 100 GbE Traffic on Commodity Hardware 530
Gerry Wan, Fengchen Gong (*Stanford University*); Tom Barbette (*UCLouvain*); Zakir Durumeric (*Stanford University*)

Sensing and Wireless Communication

Underwater Messaging Using Mobile Devices 545
Tuochao Chen, Justin Chan, Shyamnath Gollakota (*University of Washington*)

Empowering Smart Buildings with Self-Sensing Concrete for Structural Health Monitoring . . . 560
Zheng Gong, Lubing Han, Zhenlin An, Lei Yang (*The Hong Kong Polytechnic University*); Siqi Ding (*Harbin Institute of Technology*); Yu Xiang (*The Hong Kong Polytechnic University*)

Higher-Order Modulation for Acoustic Backscatter Communication in Metals 576
Peter Oppermann, Christian Renner (*Hamburg University of Technology*)

RF-Protect: Privacy against Device-Free Human Tracking 588
Jayanth Shenoy, Zikun Liu, Bill Tao (*University of Illinois at Urbana-Champaign*); Zachary Kabelac (*Analytical Space*); Deepak Vasisht (*University of Illinois at Urbana-Champaign*)

Cyclops: FSO-based Wireless Link for VR Headsets 601
Himanshu Gupta, Max Curran, Jon Longtin, Torin Rockwell, Kai Zheng (*Stony Brook University*); Mallesham Dasari (*Carnegie Mellon University*)

Programmable Data Planes

Predictable vFabric on Informative Data Plane 615
Shuai Wang (*Tsinghua University, Zhongguancun Laboratory, Alibaba Group*); Kaihui Gao (*Tsinghua University, Alibaba Group*); Kun Qian (*Alibaba Group*); Dan Li (*Tsinghua University, Zhongguancun Laboratory*); Rui Miao, Bo Li, Yu Zhou, Ennan Zhai, Chen Sun, Jiaqi Gao, Dai Zhang, Binzhang Fu (*Alibaba Group*); Frank Kelly (*University of Cambridge*); Dennis Cai, Hongqiang Harry Liu, Ming Zhang (*Alibaba Group*)

Using Trio – Juniper Networks' Programmable Chipset – for Emerging In-Network Applications . 633
Mingran Yang (*Massachusetts Institute of Technology*); Alex Baban, Valery Kugel, Jeff Libby, Scott Mackie, Swamy Sadashivaiah Renu Kananda, Chang-Hong Wu (*Juniper Networks*); Manya Ghobadi (*Massachusetts Institute of Technology*)

Programmable Multi-Dimensional Table Filters for Line Rate Network Functions 649
Vishal Shrivastav (*Purdue University*)

Stateful Multi-Pipelined Programmable Switches 663
Vishal Shrivastav (*Purdue University*)

FAst In-Network GraY Failure Detection for ISPs 677
Edgar Costa Molero (*ETH Zürich*); Stefano Vissicchio (*University College London* (*UCL*)); Laurent Vanbever (*ETH Zürich*)

Denial of Service Defense and Storage Networks

Aggregate-Based Congestion Control for Pulse-Wave DDoS Defense 693
Albert Gran Alcoz (*ETH Zürich*); Martin Strohmeier, Vincent Lenders (*Armasuisse*); Laurent Vanbever (*ETH Zürich*)

IXP Scrubber: Learning from Blackholing Traffic for ML-Driven DDoS Detection at Scale 707
Matthias Wichtlhuber (*DE-CIX*); Eric Strehle (*Brandenburg University of Technology*); Lars Prepens, Alina Rubina, Daniel Kopp, Stefan Stegmüller (*DE-CIX*); Christoph Dietzel (*DE-CIX / MPI*); Oliver Hohlfeld (*Brandenburg University of Technology*)

SurgeProtector: Mitigating Temporal Algorithmic Complexity Attacks using Adversarial Scheduling 723
Nirav Atre, Hugo Sadok, Erica Chiang, Weina Wang, Justine Sherry (*Carnegie Mellon University*)

Design and Evaluation of IPFS: A Storage Layer for the Decentralized Web 739
Dennis Trautwein (*Protocol Labs & University of Göttingen*); Aravindh Raman (*Telefonica Research*); Gareth Tyson (*Hong Kong University of Science and Technology* (*GZ*)); Ignacio Castro (*Queen Mary University of London*); Will Scott (*Protocol Labs*); Moritz Schubotz (*FIZ Karlsruhe - Leibniz Institute for Information Infrastructure*); Bela Gipp (*University of Göttingen*); Yiannis Psaras (*Protocol Labs*)

From Luna to Solar: The Evolutions of the Compute-to-Storage Networks in Alibaba Cloud . . . 753
Rui Miao, Lingjun Zhu, Shu Ma, Kun Qian, Shujun Zhuang, Bo Li, Shuguang Cheng, Jiaqi Gao, Yan Zhuang, Pengcheng Zhang, Rong Liu, Chao Shi, Binzhang Fu, Jiaji Zhu, Jiesheng Wu, Dennis Cai, Hongqiang Harry Liu (*Alibaba Group*)

Host Networking and Video Delivery

Towards μs Tail Latency and Terabit Ethernet: Disaggregating the Host Network Stack **767**
Qizhe Cai, Midhul Vuppalapati (*Cornell University*); Jaehyun Hwang (*Sungkyunkwan University*); Christos Kozyrakis (*Stanford University*); Rachit Agarwal (*Cornell University*)

SPRIGHT: Extracting the Server from Serverless Computing! High-performance eBPF-based Event-driven, Shared-memory Processing **780**
Shixiong Qi, Leslie Monis, Ziteng Zeng, Ian-chin Wang, K. K. Ramakrishnan (*University of California, Riverside*)

NeuroScaler: Neural Video Enhancement at Scale **795**
Hyunho Yeo, Hwijoon Lim, Jaehong Kim, Youngmok Jung, Juncheol Ye, Dongsu Han (*KAIST*)

LiveNet: A Low-Latency Video Transport Network for Large-Scale Live Streaming **812**
Jinyang Li, Zhenyu Li (*ICT, CAS*); Ri Lu, Kai Xiao, Songlin Li, Jufeng Chen, Jingyu Yang, Chunli Zong, Aiyun Chen (*Alibaba Group*); Qinghua Wu (*ICT/CAS*); Chen Sun (*Alibaba Group*); Gareth Tyson (*Hong Kong University of Science & Technology* (*GZ*)); Hongqiang Harry Liu (*Alibaba Group*)

GSO-Simulcast: Global Stream Orchestration in Simulcast Video Conferencing Systems **826**
Xianshang Lin, Yunfei Ma, Junshao Zhang, Yao Cui, Jing Li, Shi Bai, Ziyue Zhang, Dennis Cai, Harry Hongqiang Liu, Ming Zhang (*Alibaba Group*)

Author index **840**