ICBDS2022主旨报告

构建可靠的分布式大数据分析基础设施：

基于形式化方法的网络配置自动化管理

Building Reliable Infrastructure for Distributed Big Data Analytics:

Automating Network Configuration Management Using Formal Methods



向乔，厦门大学信息学院教授，博士生导师。国家人社部高层次留学人才，福建省高层次人才，厦门市高层次留学人才。主持国家重点研发计划课题等国家级科研项目。曾任加拿大麦吉尔大学与美国耶鲁大学博士后及研究助理教授。主要研究方向为网络与形式化方法、域间网络协议和物联网。在SIGCOMM, SC, INFOCOM, HotNets, JSAC, TON, TMC等计算机网络相关学术会议与期刊发表50余 篇高质量学术论文，合著专著一部。担任INFOCOM, DAC, IWQoS等国际会议程序委员会委员, ACM/IEEE-CS/AAAI CS2023国际计算机科学课程体系改革工作组常务委员。

Dr. Qiao Xiang is a Professor of Computer Science in the School of Informatics at Xiamen University. He receives multiple award supports from MOHRSS China, Fujian Province and Xiamen City. He is also the principle investigator of many national research projects, such as National Key R&D Program. His research interests include network formal methods, interdomain network protocols and Internet of Things. He published over 50 papers in top-tier conferences and journals such as SIGCOMM, SC, INFOCOM, HotNets, JSAC, TON and TMC. He serves as PC member of INFOCOM, DAC and IWQoS, and the steering committee member of ACM/IEEE-CS/AAAI CS2023 joint task force for computer science education. He receives Facebook Research Award and IEEE MASS Best Paper Award in 2019.