

Call for Papers

Next Generation Networks and Internet Applications Symposium (NGNI)

IEEE ICNC 2023

Honolulu, Hawaii, USA, Feb 20-22, 2023

<http://www.conf-icnc.org/2023>

Symposium Co-chairs

Christian Poellabauer, Florida International University, USA (cpoellab@fiu.edu)

Zijun Gong, Hong Kong University of Science and Technology (GZ), China (gongzijun@ust.hk)

Scope

The Next Generation Networks and Internet Applications Symposium focuses on topics related to aspects of agile future networking infrastructures and the applications supported by these new technologies. Of special interest are papers reporting on novel and practical solutions to timely and compelling problems in the Internet design space. To ensure complete coverage of the advances in network designs and Internet applications, this symposium presents original contributions in, but not limited to, the following topical areas:

- Architectures, Frameworks, and Toolkits for Next Generation Networks
- Internet Applications including Interactive Media, Voice, Video, and Games
- Database, Data Mining, and Big Data Applications
- Best Practices, Open Testbeds, and Living Labs
- Peer-to-Peer Computing
- Grid, Cluster, Distributed, Edge, and Fog Computing Solutions
- Cloud Network Services
- Quality of Service (QoS) / Quality of Experience (QoE)
- End-to-End Performance Measurement
- Admission Control
- Routing: Unicast, Multicast, Anycast, Multi-Path
- End-to-End Network Programming
- Resilience and Sustainability of Next Generation Networks
- Network Visualization, Virtual Private Networks and Services
- Content Distribution Networks
- Connecting Mobile/Wireless Devices to the Internet
- Web Applications
- Application Case Studies
- Impact of Wireless on the Internet
- Internet of Things Services and Applications
- Content-Centric Networking Service

Submission Guidelines

Perspective authors should follow the instructions at <http://www.conf-icnc.org/2023/author.htm> to prepare their manuscripts. All papers should be submitted via EDAS. Submission information can be found at <http://www.conf-icnc.org/2023/cfp.htm>.

Short Biographies of Co-Chairs

Christian Poellabauer received his Dipl. Ing. degree from the Vienna University of Technology, Austria in 1998 and the Ph.D. degree from the Georgia Institute of Technology, Atlanta, GA in 2004 (receiving Georgia Tech's Outstanding Dissertation Award), both in Computer Science. He is currently a Full Professor in the Knight Foundation School of Computing & Information Sciences at Florida International University (FIU). Before joining FIU in 2021, he worked as Assistant, Associate, and Full Professor in the Department of Computer Science and Engineering at the University of Notre Dame from 2004 - 2021. During his term at the University of Notre Dame, he also served as associate director of the Lucy Family Institute for Data Society and founding director of the Applied Analytics and Emerging Technologies Lab. He is a Fulbright Scholar (serving as Visiting Professor at the Technical University Graz, Austria) and senior member of ACM and IEEE. His research interests are in the areas of wireless sensor networks, mobile computing, ad-hoc and vehicular networks, pervasive computing, and mobile/wearable healthcare systems. He has published over 200 scientific contributions in these areas, and he has co-authored a textbook on Wireless Sensor Networks.

Zijun Gong received the B.Eng. and M.Eng. degrees from the Harbin Institute of Technology (HIT), Harbin, China, in 2013 and 2015, respectively, and the Ph.D. degree from the Memorial University of Newfoundland, St. John's, NL, Canada, in 2021. From May 2021 to December 2021, he worked at the University of Waterloo as a Post-Doctoral Researcher. He is currently an Assistant Professor with the IoT Thrust in Information Hub, The Hong Kong University of Science and Technology (GZ). He is also an affiliate Assistant Professor at the ECE Department, HKUST, Hong Kong. His research interests lie in statistical signal processing and optimization, including channel estimation in massive MIMO, and millimeter wave communications, radio propagation modeling, localization of WSN, and localization of underwater targets and devices. He received the Best Paper Award at the IEEE GLOBECOM'17, Singapore, in December 2017.