

# Call for papers

## Edge Computing, Cloud Computing, and Big Data Symposium (ECB)

IEEE ICNC 2024

Big Island, Hawaii, USA, Feb 19-22, 2024

<http://www.conf-icnc.org/2024>

### Symposium Co-Chairs

Gianluca Rizzo, HES-SO Valais, Switzerland, and UNIFG, Italy ([gianluca.rizzo@hevs.ch](mailto:gianluca.rizzo@hevs.ch))

Cong Wang, Zhejiang University, China ([cwang85@zju.edu.cn](mailto:cwang85@zju.edu.cn))

### Scope

With recent advances in edge/cloud computing and storage, we are entering a new era when large scale distributed computation and analysis of big datasets become feasible. The synergy between edge and cloud computing will enable reliable, scalable, and performant services to be easily created and deployed. This will also have a profound effect not only in the field of computer science, but also in all areas of science, engineering, industry, medicine, and other application fields, which can benefit from large-scale machine learning and big-data analysis. The Edge Computing, Cloud Computing, and Big Data (ECB) Symposium solicits high-quality original research papers in all aspects of edge Computing, cloud computing, and big data related to improvements in edge and cloud computing platforms and services as well as applications utilizing such platforms. Topics of interests include but are not limited to:

- Datacenter and edge/cloud networking
- Edge/Cloud storage
- Edge/Cloud resource management and virtualization
- Edge/Cloud applications
- Mobile edge/cloud Computing
- High-performance edge/cloud computing
- Edge/Cloud and cluster computing platforms and systems
- Large-scale graph processing systems
- Green edge/cloud computing and datacenter energy optimizations
- GPU and FPGA edge/cloud computing and processing
- Internet of Things (IoT) with edge/cloud support
- Edge/Cloud services—Infrastructure/Platform/Software/Function as a Service (IaaS, PaaS, SaaS, FaaS)
- Security and privacy in the edge and the cloud
- Scalability and interoperability of edge/cloud infrastructures
- Interactive big-data analytics
- Big data management and analysis
- Intelligence in the edge and the cloud
- Large-scale machine learning and statistical analysis approaches in the edge and the cloud
- Blockchain in the edge and the cloud

### Submission Guidelines

Perspective authors should follow the instructions at <http://www.conf-icnc.org/2024/author.htm> to prepare their manuscripts. All papers should be submitted via EDAS. Submission information can be found at <http://www.conf-icnc.org/2024/cfp.htm>.

## **Short Biographies of Co-Chairs**

### **Gianluca Rizzo**

Gianluca Rizzo is Senior Researcher at HES-SO since April 2013, and Associate Professor at Università di Foggia. Previously, he has been Research Assistant Professor at IMDEA Network, and Adjunct Professor at UC3M. He holds a MS in Electronic Engineering and Telecommunications from Politecnico di Torino. His main research interests are in the design, modeling and performance evaluation of distributed systems, and in particular on analytical approaches to performance modeling. He has been working on design and evaluation of algorithms for dynamic network management of wireless networks, on opportunistic communication paradigms such as Floating Content, on QoS provisioning in vehicular networks, on issues of IoT integration, and on QoS guarantees in avionic networks. He has received the Best Paper Award at ITC 2011 and IEEE NCA 2012, and the Best Student Paper Award at ITC 2017.

### **Cong Wang**

Dr. Cong Wang is a ZJU100 Young Professor in the College of Control Science and Engineering, Zhejiang University in Hangzhou, where he was born and raised. He is currently a member of the Group of Networked Sensing and Controlled by Prof. Youxian Sun and Prof. Jiming Chen. Cong received his Ph.D from the Department of Electrical and Computer Engineering, Stony Brook University (16'), advised by Prof. Yuanyuan Yang, B. Eng in Information Engineering from the Chinese University of Hong Kong (08'), advised by Prof. Tony T. Lee and M. Sc in Electrical Engineering from Columbia University (09'). From 2017-2022, he was a Tenure-Track Assistant Professor at the Cybersecurity Department of George Mason University and the Computer Science Department at the Old Dominion University, where he worked with Prof. Hongyi Wu. Cong is the recipient of NSF CRII Award in 2019 and NSF CAREER Award in 2021