

Call for papers

Communications and Information Security

IEEE ICNC 2024

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

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

Symposium Co-Chairs

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Scope

The Communications and Information Security (CIS) Symposium focuses on all security and privacy related issues in communications and systems including wired/wireless communication infrastructure, networking protocols, and service/application system platforms. The symposium solicits original and unpublished contributions in, but not limited to, the following topical areas:

- Design and verification of AI-based security solutions
- Impact of AI-based security solutions on wireless and mobile networks
- Safety of AI-based security solutions
- IDS/IPS based on machine learning
- Cyber security game to protect the wireless and mobile networks
- Authentication and Access Control
- AI modeling for attack behavior
- Human-machine interaction in the context of cyber security
- Application of AI-based security in internet of things and transportation systems
- AI-based Solution for Physical layer security
- Zero Trust Architecture
- Cyber Security for 5G beyond and 6G networks
- Security of blockchain systems and applications
- Embedded system security
- SCADA security
- Security and privacy in Internet of Things
- RFID security and privacy
- Secure multimedia communications
- Secure social network services
- Secure MAC protocols
- Secure routing, transport and application protocols
- Network and information forensics
- Privacy Computing
- QKD-based network security protocol design

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

Kaiping Xue received his bachelor's degree from the Department of Information Security, University of Science and Technology of China (USTC), in 2003 and received his Ph.D. degree from the Department of Electronic Engineering and Information Science (EEIS), USTC, in 2007. From May 2012 to May 2013, he was a postdoctoral researcher with the Department of Electrical and Computer Engineering, University of Florida. Currently, he is a Professor in the School of Cyber Science and Technology, USTC, and he is the director of Network and Information Center, USTC. His research interests include next-generation Internet architecture design, transmission optimization and network security. He has authored and co-authored more than 150 technical papers in various archival journals and conference proceedings. He serves on the Editorial Board of several journals, including the IEEE Transactions on Dependable and Secure Computing (TDSC), the IEEE Transactions on Wireless Communications (TWC), and the IEEE Transactions on Network and Service Management (TNSM). He has also served as a (Lead) Guest Editor for many reputed journals/magazines, including IEEE Journal on Selected Areas in Communications (JSAC), IEEE Communications Magazine, and IEEE Network. He is an IET Fellow and an IEEE Senior Member.

Hichem Sedjelmaci Joined Ericsson in 2021. He leads the technical R&D activities dealing the interactions between AI and Security and drives standardization studies. Before to join Ericsson, from 2018 to 2021 he was a Senior Research Engineer in Cyber Security and AI, and Project Manager at Orange Labs. From 2016 to 2018, he was a research specialist in cyber security and AI at Institute of Technological Research (IRT) SystemX, Paris Saclay. From 2013 to 2016 he was a Postdoc at DRIVE Lab, university of burgundy, France. He received the PHD degree in telecommunication systems from Tlemcen university, Algeria in 2013 and HDR (in the scope of AI and Cyber Security) from university of Burgundy, France in 2019. His research interests include Cyber defence systems (such IDS/IPS), Game theory and Machine learning in the context of 5G, 6G, Vehicular, Drone and lightweight IoT Networks. He published his work in major IEEE conferences (ICC, GLOBECOM) and premium journals (IEEE Transactions). He served as a Guest Editor of premium journals, such ADHOC, IEEE Network and IEEE JSAC Journals. He holds more than 20 international patents on the topics of cyber security and AI.