Title:
ICAIS2021 workshop on IoT Connectivity, Security and Privacy.

Abstract:
IoT device manufactures has the capability to sense users and their surrounding environment to provide context-aware services. While with the increase of the variety and the number of IoT devices, it may also bring up many addressing issues, attacks and information leaks. Researchers are working to design protocols and systems to promote the connectivity, detect new vulnerabilities and control the flow between devices. Whereas with the growing adoption of IoT devices, many connectivity and security issues remain open. The goal of the ICAIS2021 Workshop on IoT Addressing, Security and Privacy is to bring together academic and industry researchers from the networking communities and security to design, measure, and analyze addressing methods, secure and privacy enhancing systems for IoT devices.

We encourage the submission of work-in-progress papers in the area of design, implementation, management, and deployment of connectivity, secure and privacy IoT frameworks as well as measurement and analysis of the addressing and security of existing IoT devices and packages.

Scope and Topics:
Potential topics include but are not limited to:
✧ Network architectures and protocols for IoT
✧ Novel IoT frameworks and applications
✧ Security and privacy issues in IoT
✧ Measurement of IoT connectivity performance
✧ Design and measurement of IoT addressing
✧ Threat models and attack strategies in IoT
✧ Privacy-preserving IoT sensing, connectivity
✧ Lightweight security for IoT
✧ Security framework of IoT
✧ Security for NB-IoT, Z-Wave, Bluetooth, LoRa, SigFox, 6LowPAN, NFC, Zigbee IoT

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Zhixin Sun received his Ph.D. degree in Engineering of Aeronautics and Astronautics from Nanjing University of Aeronautics and Astronautics, China in 1998. He currently serves as a professor and dean in the School of Posts of Nanjing University of Posts and Telecommunications. His research interests include Network Traffic Identification, Internet of Things, Big Data, Block Chain, SDN, Security & Privacy, and Mobile Computing.
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Jianhua Ma is a professor in the Faculty of Computer and Information Sciences, Hosei University, Tokyo, Japan. He served as the Chair of Digital Media Department of Hosei University in 2011-2012. His research interests include multimedia, networking, pervasive computing, social computing, wearable technology, IoT, smart things, cyber life, and cyber intelligence. Ma is one of pioneers in research on Hyper World and Cyber World (CW) since 1996, and was a co-initiator of the first international symposium on Cyber World in 2002. He first proposed Ubiquitous Intelligence (UI) towards Smart World (SW), which he envisioned in 2004, and was featured in the European ID People Magazine in 2005. He has conducted several unique CW-related projects including the Cyber Individual (Cyber-I), which was featured by and highlighted on the front page of IEEE Computing Now in 2011. Ma has published more than 300 papers, co-authored/edited over 15 books and 30 journal special issues, and delivered over 30 keynote speeches at international conferences. He has founded three IEEE Congresses on "Smart World", "Cybernatics" and "Cyber Science and Technology", respectively, as well as IEEE Conferences on Ubiquitous Intelligence and Computing (UIC), Pervasive Intelligence and Computing (PICom), Advanced and Trusted Computing (ATC), Dependable, Autonomic and Secure Computing (DASC), Cyber Physical and Social Computing (CPSCom), Internet of Things (iThings), and Internet of People (IoP). He is a Chair of IEEE Technical Committee on Cybermatics, and a Chair of IEEE Technical Committee on Smart World.

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Wenbing Zhao received the Ph.D. degree in Electrical and Computer Engineering from the University of California, Santa Barbara, in 2002. Currently, he is a Professor and Director for the Master of Science in Electrical Engineering program in the Department of Electrical Engineering and Computer Science (EECS) at Cleveland State University. His research interests include dependable distributed systems, mobile security and
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