

ICCCN 2022 Workshop Program Overview

July 27 (Wednesday), 2022 <i>All times listed in USA, Eastern Time</i>			
Workshops			
13:30 - 15:30	BLESS	IoTSP	SmartCityCom
Closing			

Integrated ICCCN 2022 Workshop Schedule

BLESS 2022 Workshop (Virtual Room 1)

Welcome by workshop Chairs: Yu Chen (ychen@binghamton.edu) (Binghamton University, USA) and Sachin Shetty (sshetty@odu.edu) (Old Dominion University, USA)

Session Chairs: Yu Chen (ychen@binghamton.edu)

Session 1: (13:30 - 15:30)

- **VeriBlock: A Blockchain-Based Verifiable Trust Management Architecture with Provable Interactions**
Shantanu Pal (Queensland University of Technology, Australia), Ambrose Hill (Meadow Labs), Tahiry Rabehaja (Risk Frontiers), Michael Hitchens (Macquarie University)
- **DLT-based Data Mules for Smart Territories**
Mirko Zichichi (Universidad Politécnica de Madrid, Spain), Luca Serena (University of Bologna), Stefano Ferretti (University of Urbino), Gabriele D'Angelo (University of Bologna)
- **On the Applicability of Payment Channel Networks for Allocation of Transport Ticket Revenues**
Matthias Grundmann, Otto von Zastrow-Marcks, Hannes Hartenstein (Karlsruhe Institute of Technology)
- **Distributed Ledgers for Enhanced Machine-to-Machine Trust in Smart Cities**
Cameron Hickert, Ali Tekeoglu, Joseph Maurio, Tamim Sookor, Daniel Syed, Ryan Watson, Jeffrey Chavis, Gill Brown (Johns Hopkins University Applied Physics Laboratory)

IoTSP2022 Workshop (Virtual Room 2)

Welcome by workshop Chairs: Geetha Thamarasu (University of Washington Bothell, USA) and Abhishek Parakh (University of Nebraska at Omaha, USA)

Session Chairs: Geetha Thamarasu (geetha@uw.edu) (University of Washington Bothell, USA) and Abhishek Parakh (University of Nebraska at Omaha, USA)

Session 1: (13:30 – 15:30)

- **Evolved IoT Malware Detection using Opcode Category Sequence through Machine Learning**
Donghoon Kim (Arkansas State University), Doosung Hwang, Sunghyun Moon (Dankook University), Youngho Kim (GI VITA), Hyunjong Lee (KSign)
- **Using Markov Chain Monte Carlo Algorithm for Sampling Imbalance Binary IDS Datasets**
Najmeh Abedzadeh, Matthew Jacobs (Catholic University of America)
- **A Democratically Anonymous and Trusted Architecture for CTI Sharing using Blockchain**
Shantanu Pal, Kealan Dunnett (Queensland University of Technology), Zahra Jadidi (Griffith University), Guntur Dharma Putra (University of New South Wales), Raja Jurdak (Queensland University of Technology)
- **PPAS: Privacy-preserving Resource Discovery for Multi-domain SFC orchestration**
Neha Joshi, Rishabh Kumar, A Antony Franklin (Indian Institute of Technology, Hyderabad), Abhishek Thakur, N. V. Narendra Kumar (IDRBT, Hyderabad)

SmartCityCom 2022 Workshop (Virtual Room 3)

Welcome by workshop Chairs: : Shuhui Yang (Purdue University Northwest, USA) and Besma Smida (University of Illinois at Chicago, USA)

Session 1: (13:30 – 15:30)

Session Chair: Shuhui Yang (yangshuhui@gmail.com) (Purdue University Northwest, USA)

- **Optimization of Wireless Power Transfer for Wireless-Powered Mobile Edge Computing**
Xiaogang Dong, Zheng Wan (Jiangxi University of Finance and Economics), Changshou Deng (Jiujiang University)
- **An ICN-based Secure Task Cooperation Scheme in Challenging Wireless Edge Networks**
Ningchun Liu, Shuai Gao (Beijing Jiaotong University), Teng Liang (Peng Cheng Laboratory), Xindi Hou (Beijing Jiaotong University), Sajal K. Das (Missouri University of Science & Technology)

- **A Secure Dynamic Edge Resource Federation Architecture for Cross-Domain IoT Systems**
Yu Chen, Ronghua Xu, Xiaohua Li (Binghamton University), Erik Blasch (AFOSR)
- **R²P³: Renewal-Reward Process-Based Password Protection in Internet of Things**
Yalong Wu, Thomas Neumann, Kyle Welsh, Caden Perez (North Central College), Kewei Sha (University of Houston--Clear Lake)
- **Performance Evaluation of Low-Latency Live Streaming of MPEG-DASH UHD video over Commercial 5G NSA/SA Network**
Kasidis Arunruangsirilert, Bo Wei, Jiro Katto (Waseda University), Hang Song (The University of Tokyo)
- **Security of Machine Learning-Based Anomaly Detection in Cyber Physical Systems**
Shantanu Pal, Zahra Jadidi, Nithesh Nayak K, Arawinkumaar Selvakkumar, Chih-Chia Chang (Queensland University of Technology), Maedeh Beheshti (Critical Path Institute), Alireza Jolfaei (Macquarie University)

Closing

