**ICCCN 2017 WORKSHOP PROGRAM At-A-GLANCE**

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| **August 3 (Thursday) - Workshops** | | | |
| 7:30am - Registration Desk/Continental Breakfast (Pinnacle Foyer) | | | |
| 08:00 - 12:00 | RM (Pinnacle I)  VENITS | RM (Pinnacle II)  WiMAN | RM (Shaughnessy I)  IoTPST |
| 12:00 - 13:30 | Lunch break | | |
| 13:30 - 17:00 | RM (Pinnacle I)  PSTBT | RM (Pinnacle II)  NSAA | RM (Shaughnessy I)  IioTCom |

**Aug 3rd (Thursday) - Workshops**

08:00-12:00

**VENITS Workshop:**

**Chair: Carlos T. Calafate**

Welcome Address

**Workshop Keynote**: Impact of IPv6 on IoV – VoI. Latif Ladid (Université du Luxembourg)

QoS-oriented Management of Automobile Cruise Control Processes

A Adiththan and K Ravindran

Disseminating Large Data in Vehicular Ad Hoc Networks

Dp Tejas

An Android ITS Driving Safety Application Based on Vehicle-to-Vehicle (V2V) Communications

Seilendria Ardityarama Hadiwardoyo, Subhadeep Patra, Carlos Tavares Calafate, Juan-Carlos Cano and Pietro Manzoni

Secure and Anonymous Vehicle Access Control System to Traffic-Restricted Urban Areas

Magdalena Payeras-Capellà, Jordi Castellà-Roca, Macià Mut Puigserver, Alexandre Viejo and Carles Anglès-Tafalla

**Break**

Securing PKI Requests for C-ITS systems

Jean Philippe Monteuuis, Badis Hammi, Eduardo Salles Daniel, Houda Labiod, Rémi Blancher, Erwan Abalea and Brigitte Lonc

Dynamic Small Cell Management for Connected Cars Communications

Julio A. Sanguesa, Johann M. Marquez-Barja, Piedad Garrido and Francisco J. Martinez

Bio-inspired on demand routing protocol for Unmanned Aerial Vehicles

Bahloul Nour El Houda, Boudjit Saadi, Abdennebi Marwen and Boubiche Djallel Eddine

Closing Address

**WiMAN Workshop:**

**Chair: Duc Tran**

Welcome Address

Adaptive Burst Transmission Scheme for Wireless Sensor Networks

Zeeshan Ansar and Waltenegus Dargie

Wireless Interference Prediction for Embedded Health Devices

Jiangmin Yu, Michael Farcasin and Eric Chan-Tin

User Association Algorithm for Throughput Improvement in High-Density Wireless Networks

Omneya Issa, Ying Ge, Aizaz Chaudhry and Bernard Doray

**Break**

Enhanced AODV: Detection and Avoidance of Black Hole Attack in Smart Metering Network

Md Raqibull Hasan, Yanxiao Zhao, Guodong Wang, Yu Luo and Robb Winter

Analysis of Analog Network Coding noise in Multiuser Cooperative Relaying for Spatially Correlated

Environment

Sam Darshi and Samar Shailendra

On the Data Aggregation Point Placement in Smart Meter Networks

Guodong Wang, Yanxiao Zhao, Jun Huang and Robb Winter

**Break**

Incremental SDN-Enabled Switch Deployment for Hybrid Software-Defined Networks

Meitian Huang and Weifa Liang

Detecting Byzantine Attacks in Self-Organizable Networks by a Reputation-Based Cooperative Spectrum Sensing

Francesco Benedetto, Gaetano Giunta, A. Tedeschi and P. Coronas

Coverage Algorithms for WiFO: A Hybrid FSO-WiFi Femtocell Communication System

Yang Zhang, Yu-Jung Chu and Thinh Nguyen

Closing Address

**IoTPST Workshop:**

**Chair: Qian Chen**

Welcome Address

Template Attack vs. Stochastic Model: An Empirical Study on the Performances of Profiling Attacks in Real Scenarios

Hailong Zhang, Yongbin Zhou and Baofeng Li

Lightweight Framework for Reliable Job Scheduling in Heterogeneous Clouds

Muhammed Bello Abdulazeez, Pawel Garncarek and Prudence W.H. Wong

A Secure Two-Party Computation Based Privacy-Preserving Smart Metering Scheme

Haipeng Qu, Wenhong Sun, Xi-Jun Lin, Peng Shang, Xiaoshuai Zhang, Mingjian Jiang, Youxin Fang and Yanyong Zhu

**Break**

Equivalence Checking of Java Methods - Toward Ensuring IoT Dependability

Kozo Okano, Satoshi Harauchi, Toshifusa Sekizawa, Shinpei Ogata and Shin Nakajima

Preventing Misuse of Duplicate Certificates in IoT/M2M Systems

Yu-Hao Hsu and Fuchun Joseph Lin

Machine-learning Classifiers for Security in Connected Medical Devices

Sida Gao and Geethapriya Thamilarasu

**Break**

Privacy Risks for Multi-Criteria Collaborative Filtering Systems

Alper Yargıç and Alper Bilge

Security Analysis based on Petri Net for Separation Mechanisms in Smart Identifier Network

Linyuan Yao, Ping Dong, Xiaojiang Du and Hongke Zhang

Augmenting Security of Internet-of-Things Using Programmable Network-Centric Approaches: A Position Paper

Hammad Iqbal, Jamie Ma, Qing Mu, Venkatesh Ramaswamy, Gabby Raymond, Daniel Vivanco and John Zuena

An Overview of Access Control Mechanisms for Internet of Things

Kewei Sha and Mousa Alramadhan

Closing Address

13:30 - 17:00

**PSTBT Workshop:**

**Chair: Victoria Lemieux**

Welcome Address

CoC: Secure Supply Chain Management System based on Public Ledger

Lei Xu, Lin Chen, Zhimin Gao, Yang Lu and Weidong Shi

Long-term Public Blockchain: Resilience against Compromise of Underlying Cryptography

Masashi Sato and Shin'Ichiro Matsuo

Performance Analysis of Private Blockchain Platforms in Varying Workloads

Suporn Pongnumkul, Chaiyaphum Siripanpornchana and Suttipong Thajchayapong

Legally Speaking: Smart Contracts, Archival Bonds, and Linked Data

Darra Hofman

**Break**

**Workshop Keynote**: BSafe Network: Purpose, Development and Operation

Shin’Ichiro Matsuo (MIT Media Lab)

The application of blockchain technology in e-government in China

Heng Hou

Automated labeling of unknown contracts in Ethereum

Robert Norvill, Beltran Borja Fiz Pontiveros, Irfan Awan, Andrea Cullen and Radu State

Semantic Interoperability on a Blockchain: Reducing Uncertainty and Complexity in Value Exchange

Marek Laskowski and Henry Kim

Syscoin: A Peer-to-Peer Electronic Cash System with Blockchain-Based Services for E-Business

Jagdeep Sidhu

Closing Address

**NSAA Workshop:**

**Chair: Bill Chu**

Welcome Address

A New Approach to Online, Multivariate Network Traffic Analysis

Jinoh Kim and Alex Sim

A Study on Log Analysis Approaches Using Sandia Dataset

Mir Mehedi Pritom, Chuqin Li, Bill Chu and Xi Niu

The Design of Cyber Threat Hunting Games: A Case Study

Md Nazmus Sakib Miazi, Mir Mehedi Pritom, Mohamed Shehab, Bill Chu and Jinpeng Wei

**Break**

Comparison of Virtualization Algorithms and Topologies for Data Center Networks

Hanene Ben Yedder, Qingye Ding, Umme Zakia, Zhida Li, Soroush Haeri and Ljiljana Trajkovic

Concatenating Unprotected Internet of Things Network Event-Driven Data to Obtain End-User Information

Rahmira Rufus and Albert Esterline

Application of Learning Using Privileged Information(LUPI): Botnet Detection

Angelo Sapello, Constantin Serban, Ritu Chadha and Rauf Izmailov

**Break**

Hands-on Learning for Computer Network Security with Mobile Devices

Kai Qian, Yong Shi, Lixin Tao and Ying Qian

A Secure Mobile Cloud Photo Storage System

David Schwab, Li Yang, Kathy Winters, Matthew Jallouk, Emile Smith and Adam Claiborne

Closing Address

**IioTCom Workshop:**

**Chair:** **Ing. Patrick-Benjamin Bök**

Welcome Address

A Bridging VPN for Connecting Wireless Sensor Networks to Data Centers

Hiroaki Hata

Fault and Performance Management in Multi-Cloud based NFV using Shallow and Deep Predictive Structures

Lav Gupta, Mohammed Samaka, Raj Jain, Aiman Erbad, Deval Bhamare and H. Anthony Chan

Monotonic Optimization for Power Assignment in Two-Way Cognitive Radio Networks with Shared-band Amplify-and-Forward Relays

Udit Pareek and Daniel Lee

**Break**

New locating method based on improved Niculecu Dv-distance

Degan Zhang, Yameng Tang and Jie Chen

Video Streaming Schemes for Industrial IoT

Hajime Kanzaki, Kevin Schubert and Nicholas Bambos

Analysis of the Scope of Dynamic Power Management in Emerging Server Architectures

Markus Hähnel, Waltenegus Dargie and Alexander Schill

Closing Address