

PROGRAM

Wednesday October 28, 2020

9:15 – 9:30 – Opening conference

9:30 – 10:15 – Keynote Session

9:30 Cyber Threat Intelligence: the fuel for secure networking

Dr. Edgardo Montes de Oca (CEO of Montimage, France)

10:15 – 12:00 – Session 1 on Security

10:15 *“Using process mining to identify file system metrics impacted by ransomware execution”*

Arash Mahboubi (Charles Sturt University, Australia), **Keyvan Ansari** (University of the Sunshine Coast, Australia) & **Seyit Camtepe** (CSIRO, Australia)

10:45 *“Efficient and Secure Statistical Port Scan Detection Scheme”*

Hussein Majed (Arab Open University, Lebanon), **Hassan Noura** (Arab Open University, Lebanon), **Ola Salman** (American University of Beirut, Lebanon), **Ali Chehab** (American University of Beirut, Lebanon), **Mohammad Malli** (Arab Open University, Lebanon) & **Raphaël Couturier** (University Bourgogne Franche-Comte, France)

11:15 *“Fast and Flexible Elliptic Curve Cryptography for Dining Cryptographers Networks”*

Briag Dupont, **Christian Franck** & **Johann Großschädl** (University of Luxembourg, Luxembourg)

12:00 – 13:30 Break

13:30 – 14:25 – Keynote Session

13:30 Pulse-Coupled Synchronization for Cooperating Agents

Prof. Luis Almeida (University of Porto, Portugal)

14:25 -15h25 Session on Distributed & parallel systems

14:25 *Parallel Applications Mapping onto Network on Chip Based on Heterogeneous MPSoCs*

Dihia Belkacemi (University of Tizi-Ouzou, Algeria), Mehammed Daoui (University of Tizi-Ouzou, Algeria), and Samia Bouzefrane (Cnam, France)

14:55 *Budget-aware performance optimization of workflows in multiple data center clouds*

Karima Oukfif (University of Tizi-Ouzou, Algeria), Fares Battou (University of Lille, France) & Samia Bouzefrane (Cnam, France)

15:25-15:40 Break

15:40 – 17:00 Session 2 on Security

15:40 *“Efficient and Lightweight Polynomial-based Key Management Scheme for Dynamic Networks”*

Mohammed Nafi (Université de Béjaia, Algeria), Samia Bouzefrane (Cnam, France) & Mawloud Omar (ESIEE, France)

16:10 *“Secure and Internet-Less Connectivity to a Blockchain Network for Limited Connectivity Bank Users”*

Daniel Maldonado-Ruiz (Escuela Politécnica Nacional, Ecuador), Mohamad Badra (Zayed University, United Arab Emirates), Nour El Madhoun (EPITA, France) & Jenny Torre (Escuela Politécnica Nacional, Ecuador)

16:40 *“Developing Customized & Secured Blockchains with Deep Federation Learning to Prevent Successive Attacks”*

Soumya Banerjee (Workz Group Telecoms, Ireland), Soham Chakraborty (Kalinga Institute of Industrial Technology, India), Paul Mühlethaler (Inria, France)

Thursday October 29, 2020

9:30 – 10:30 – Keynote Session

"What Happens Next? Going Beyond Security via Liability in Future Networks"

Dr. Gürkan Gür (Zurich University of Applied Sciences (ZHAW), Switzerland)

10:30 – 12:30 Session on Internet of Things

10:30 *“Toward a Blockchain-based technology in dealing with emergencies in Patient-centered Healthcare Systems”*

Son Ha Xuan (FPT University, Vietnam), **Trieu Le Hai** (Can Tho University of Technology, Vietnam), Nga Tang Thi Quynh (National Taiwan University of Science and Technology, Vietnam), Hung Nguyen Duc Huy (FPT University, Vietnam) & Nghia Duong Trung (FPT University, Vietnam)

11:00 *“IoT-Edge-Cloud Computing Framework for QoS-Aware Computation Offloading in Autonomous Mobile Agents: Modeling and Simulation”*

Leila Ismail and Huned Materwala (United Arab Emirates University, UAE)

11:30 *“Toward a Privacy Guard for Cloud-based Home Assistants and IoT Devices”*

Radja Boukharrou (University of Constantine 2, Algeria), Ahmed-Chawki Chaouche (Sorbonne University, France) & Khaoula Mahdjar (University of Constantine 2, Algeria)

12:00 *“An Intelligent Agent-based Industrial IoT Framework for Time-Critical Data Stream Processing”*

Inès Gharbi (University of Tunis El Manar, Tunisia/Cnam France), Kamel Barkaoui (Cnam, France), Samir Ben Ahmed (University of Tunis El Manar, Tunisia)

12:30 – 13:30 Break

13:30 – 16:00 Session on Wireless networks & VANET

13:30 “*Optimal broadcasting algorithm for VANET system*”

Ansam Ennaciri (FST Beni Mellal, Morocco), Mohammed Erritali (Sultan Moulay Slimane University, Morocco), Françoise Sailhan (Cnam, France) & Badreddine Cherkaoui (Chouaib Doukkali University, Morocco)

14:00 “*Graph Based Subjective Matching of Trusted Strings and Blockchain Based Filtering for Connected Vehicles*”

Sangare Mamoudou (Cnam/Inria, France), Soumya Banerjee (Inria, France), Paul Muhlethaler (Inria, France) & Thinh Le Vinh (HCMUTE, Vietnam)

14:30 “*Low Complexity Neural Network based digital predistortion for Memory Power*”

Meryem Mamia Benosman (Cnam/University of Tlemcen), Hmaeid Shaiek (Cnam, France), Yassin Bendimerad Rafik Zayani (Cnam, France), Daniel Roviras (Cnam, France) & Fethi Tarik Bendimerad (University of Tlemcen, Algeria)

15:00 “*A Reaction-Diffusion and Gur Game Based Routing Algorithm for Wireless Sensor Networks*”

Shu-Yuan Wu, Theodore Brown & Hsien-Tseng Wang (City University of New York, USA)

15:30 – 15:45 – Closing conference