

2023 IFIP Networking Conference (IFIP Networking)

Final Program

Conference Session 1: Internet of Things (IoT)

Session Chair: Susmit Shannigrahi (Tennessee Technological University, USA)

Delay Analysis of TSN Based Industrial Networks With Preemptive Traffic Using Network Calculus

- Mohamed Seliem (University College Cork, Ireland)
- Ahmed H. Zahran (University College Cork, Ireland)
- Dirk Pesch (University College Cork, Ireland)

DMTP: Deadline-Aware Multipath Transport Protocol

- Tony John (Otto Von Guericke University Magdeburg, Germany)
- Adrian Perrig (ETH Zurich Switzerland & Carnegie Mellon University, USA)
- David Hausheer (OVGU Magdeburg, Germany)

Galette: A Lightweight XDP Dataplane on Your Raspberry Pi

- Kyle A Simpson (University of Glasgow & Arista Networks, United Kingdom)
- Chris Williamson (University of Glasgow, United Kingdom)
- Douglas Paul (University of Glasgow, United Kingdom)
- Dimitrios P. Pezaros (University of Glasgow, United Kingdom)

Placement of UAVs to Reconnect Lost Subnetworks in Wireless Sensor Networks

- Lu Lin (Nanjing University of Aeronautics and Astronautics, China)
- Xiaojun Zhu (Nanjing University of Aeronautics and Astronautics, China)
- Ji'ao Tang (Nanjing University of Aeronautics and Astronautics, China)
- Chao Dong (Nanjing University of Aeronautics and Astronautics, China)

Conference Session 2: Anomaly and malware detection

Session Chair: Jayasree Sengupta (CISPA Helmholtz Center for Information Security, Germany)

5GShield: HTTP/2 Anomaly Detection in 5G Service-Based Architecture

- Nathalie Wehbe (Concordia University, Canada)
- Hyame Alameddine (Ericsson Research, Canada)
- Makan Pourzandi (Ericsson, Canada)
- Chadi Assi (Concordia University, Canada)

An Enhanced Model for Machine Learning-Based DoS Detection in Vehicular Networks

- Secil Ercan (Université Gustave Eiffel, France)
- Leo Mendiboure (Université Gustave Eiffel, France)
- Lylia Alouache (CY Cergy Paris University, France & ETIS Laboratory, France)
- Sassi Maaloul (Université Gustave Eiffel, France)
- Tidiane Sylla (Université Gustave Eiffel, France & Université Des Sciences, Des Techniques Et Des Technologies de Bamako, Mali)
- Hasnaa Aniss (University Gustave Eiffel, France)

ER-ERT: A Method of Ensemble Representation Learning of Encrypted RAT Traffic

- Yijing Zhang (Institute of Information Engineering, Chinese Academy of Sciences, China)
- Hui Xue (Institute of Information Engineering Chinese Academy of Sciences, China)
- Jianjun Lin (University of Chinese Academy of Sciences, China)
- Xiaoyu Liu (Institute of Information Engineering, Chinese Academy of Sciences, China)
- Weilin Gai (University of Chinese Academy of Sciences, China)
- Xiaodu Yang (Institute of Information Engineering, Chinese Academy of Sciences, China)
- Anqi Wang (Liaoning University of Technology, China)
- Yinliang Yue (Zhongguancun Laboratory, China); Bo Sun (CNCERT/CC, China)

MetalIoT: Few Shot Malicious Traffic Detection in Internet of Things Networks Based on HIN

- Hongwu Li (Institute of Information Engineering, China)
- Xingyu Fu (Institute of Information Engineering, China)
- Yujia Zhu (Institute of Information Engineering, Chinese Academy of Sciences, China);
Chao Li (CNCERT/CC, China)
- Rong Yang (Institute of Information Engineering, Chinese Academy of Sciences, China);
Chao Li (CNCERT/CC, China)

Conference Session 3: Wireless Networks

Session Chair: Xavi Gelabert (Huawei, Sweden)

A Multi-Connectivity Architecture With Data Replication for XR Traffic in mmWave Networks

- Muhammad Affan Javed (NYU WIRELESS, USA)
- Pei Liu (New York University, USA)
- Shivendra Panwar (New York University & Tandon School of Engineering, USA)

Energy-Aware Spreading Factor Selection in LoRaWAN Using Delayed-Feedback Bandit

- Renzo E. Navas (IMT Atlantique, France)
- Ghina Dandachi (Inria, France)
- Yassine Hadjadj-Aoul (University of Rennes 1, France)
- Patrick Maillé (IMT Atlantique, France)

Hierarchical Thompson Sampling for Multi-Band Radio Channel Selection

- Jerrod A. Wigmore (MIT, USA)
- Brooke Shrader (MIT Lincoln Laboratory, USA)
- Eytan Modiano (MIT, USA)

IRGAN: cGAN-Based Indoor Radio Map Prediction

- Cheick T Cissé (University of Bourgogne Franche-Comté & Orange Lab Compagny, France)
- Oumaya Baala (FEMTO-ST Institute, Université Bourgogne Franche-Comté, CNRS & UTBM, France)
- Valéry Guillet (Orange Labs, France)
- Alexandre Caminada (Université Cote d'Azur & Polytech Nice Sophia - Ecole Polytechnique de l'Université de Nice, France)
- François Spies (University of Franche Comte, France)

Conference Session 4: Privacy and Anonymization

Session Chair: Pratyush Dikshit (CISPA Helmholtz Center for Information Security, Germany)

A Privacy-Preserving Proof-Of-Reputation

- Marina Dehez-Clementi (ISAE-SUPAERO, France & La Rochelle Université, France)
- Mourad Rabah (La Rochelle University, France)
- Yacine Ghamri-Doudane (University of la Rochelle, France)

Linking User Identities Across Social Networks via Frequency Domain Analysis

- Hui Xue (Institute of Information Engineering Chinese Academy of Sciences, China)
- Bo Sun (CNCERT/CC, China)
- Weixuan Mao (CNCERT/CC, China)

Privacy-Enhanced Content Discovery for Bitswap

- Erik Daniel (Technische Universität Berlin, Germany)
- Florian Tschorsch (Technische Universität Berlin, Germany)

Conference Session 5: Transport Protocols

Session Chair: Mun Choon Chan (National University of Singapore, Republic of Singapore)

Hercules: High-Speed Bulk-Transfer Over SCION

- Marten Gartner (University of Magdeburg, Germany)
- Jean-Pierre Smith (ETH Zurich, Switzerland)
- Matthias Frei (SCION Association, Switzerland)
- François Wirz (ETH Zurich, Switzerland)
- Cédric Neukom (ETH Zürich, Switzerland)
- David Hausheer (OVGU Magdeburg, Germany)
- Adrian Perrig (ETH Zurich Switzerland & Carnegie Mellon University, USA)

QUIC on the Highway: Evaluating Performance on High-Rate Links

- Benedikt Jaeger (Technische Universität München, Germany)
- Johannes Zirngibl (Technische Universität München, Germany)
- Marcel Kempf (Technische Universität München, Germany)
- Kevin Ploch (Technische Universität München, Germany)
- Georg Carle (Technische Universität München, Germany)

Secure Middlebox-Assisted QUIC

- Mike Kosek (Technische Universität München, Germany)
- Benedikt Spies (Technische Universität München, Germany)
- Jörg Ott (Technische Universität München, Germany)

Web Privacy by Design: Evaluating Cross-Layer Interactions of QUIC, DNS and H/3

- Jayasree Sengupta (CISPA Helmholtz Center for Information Security, Germany)
- Mike Kosek and Justus Fries (Technical University of Munich, Germany)
- Pratyush Dikshit (CISPA- Helmholtz Center for Information Security, Germany)
- Vaibhav Bajpai (CISPA Helmholtz Center for Information Security, Germany)

Conference Session 6: Network Analysis and Applications

Session Chair: Violet Syrotiuk (Arizona State University, USA)

Filling the Gap: Fault-Tolerant Updates of On-Satellite Neural Networks Using Vector Quantization

- Olga Kondrateva (Humboldt-Universität zu Berlin, Germany)
- Stefan Dietzel (Merantix Momentum GmbH, Germany)
- Maximilian Schambach (Merantix Momentum GmbH, Germany)
- Johannes Otterbach (Merantix Momentum GmbH, Germany)
- Björn Scheuermann (TU Darmstadt, Germany)

GuRuChain: Guarantee and Reputation-Based Blockchain Service Trading Platform

- Mouhamed Amine Bouchiha (La Rochelle University, France)
- Yacine Ghamri-Doudane (University of la Rochelle, France)
- Mourad Rabah and Ronan Champagnat (La Rochelle University, France)

Mobile App Fingerprinting Through Automata Learning and Machine Learning

- Fatemeh Marzani (University of Tehran, Iran)
- Fatemeh Ghassemi Esfahani (University of Tehran, Iran)
- Zeynab Sabahi-Kaviani (University of Tehran, Iran)
- Thijs van Ede (University of Twente, The Netherlands)
- Maarten van Steen (University of Twente, The Netherlands)

On Real-Time Failure Localization via Instance Correlation in Optical Transport Networks

- Pin-Han Ho (University of Waterloo, Canada)
- Yan Jiao (University of Waterloo, Canada)
- Kairan Liang (University of Waterloo, Canada)
- Xiangzhu Lu (University of Waterloo, Canada)
- Yuren You (Huawei Technologies Canada Research Center, Canada)
- János Tapolcai (Budapest University of Technology and Economics, Hungary)
- Bingbing Li (Hubei University of Technology, Wuhan, China)
- Limei Peng (Kyungpook National University, South Korea)

Conference Session 7: SDN and Data center

Session Chair: Salvatore Spadaro (Universitat Politècnica de Catalunya, Spain)

Keeping Up to Date With P4Runtime: An Analysis of Data Plane Updates on P4 Switches

- Henning Stubbe (Technical University of Munich, Germany)
- Sebastian Gallenmüller (Technical University of Munich, Germany)
- Manuel Simon (Technical University of Munich, Germany)
- Eric Hauser (Technical University of Munich, Germany)
- Dominik Scholz (Technical University of Munich, Germany)
- Georg Carle (Technical University of Munich, Germany)

Meta-Migration: Reducing Switch Migration Tail Latency Through Competition

- Sepehr Abbasi Zadeh (University of Toronto, Canada)
- Farid Zandi Shafagh (University of Toronto, Canada)
- Matthew Buckley (University of Toronto, Canada)
- Yashar Ganjali (University of Toronto, Canada)

Optimizing Service Selection and Load Balancing in Multi-Cluster Microservice Systems With MCOSS

- Daniel Bachar (The Interdisciplinary Center Herzliya, Israel)
- Anat Bremler-Barr (Tel-Aviv University, Israel)
- David Hay (The Hebrew University of Jerusalem, Israel)

Scalable Reinforcement Learning for Dynamic Overlay Selection in SD-WANs

- Annalisa Navarro (University of Napoli Federico II, Italy)
- Alessio Botta (University of Napoli Federico II, Italy)
- Roberto Canonico (University of Napoli Federico II, Italy)
- Giorgio Ventre (University of Napoli Federico II, Italy)
- Giovanni Stanco (University of Napoli Federico II, Italy)

Conference Session 8: Resource Management

Session Chair: Hassan Fawaz (Télécom SudParis, France)

Controlling Epidemic Spread Under Immunization Delay Constraints

- Shiju Li (Florida Institute of Technology, USA)
- Xin Huang (Texas State University, USA)
- Chul-Ho Lee (Texas State University, USA)
- Do Young Eun (North Carolina State University, USA)

Game Theoretic Resource Planning and Request Scheduling in Mobile Edge Computing Networks

- Bin Xiang (CNRS at CREATE, Singapore)
- Jocelyne Elias (University of Bologna, Italy)
- Fabio Martignon (University of Bergamo, Italy)
- Elisabetta Di Nitto (Politecnico di Milano, Italy)
- Dusit Niyato (Nanyang Technological University, Singapore)

Imperfect Bandwidth-Sharing Policies Using Network Calculus

- Anne Bouillard (Huawei Technologies France, France)

Maximal Distance Spectrum Assignment for Services Provisioning in EONs

- Xiaolin Wang (Nanjing University - ESIEE Paris, France)
- Fen Zhou (University of Avignon, France)
- Yaojun Chen (Nanjing University, China)
- Ting Wang (ESIEE Paris, France)

Conference Session 9: ML/AI for Networking

Session Chair: Violet Syrotiuk (Arizona State University, USA)

A Cheap and Accurate Delay-Based IP Geolocation Method Using Machine Learning and Looking Glass

- Allen Hong (Tsinghua University, China)
- Yahui Li (Tsinghua University, China)
- Han Zhang (Tsinghua University, China)
- Ming Wang (Tsinghua University, China)

- Changqing An (Tsinghua University, China)
- Jilong Wang (Tsinghua University, China)

Graph Convolutional Reinforcement Learning for Load Balancing and Smart Queuing

- Hassan Fawaz (Télécom SudParis, France)
- Omar Houidi (Telecom SudParis, France)
- Djamel Zeghlache (Institut Mines-Telecom, Telecom SudParis, Samovar & Institut Polytechnique de Paris, France)
- Julien Lesca (Huawei Technologies, France Research Center, France)
- Tran Anh Quang Pham (Huawei Technologies, France)
- Jeremie Leguay (Huawei Technologies, France Research Center, France)
- Paolo Medagliani (Huawei Technologies Co. Ltd., France)

Graph Neural Network-Based Delay Prediction Model Enhanced by Network Calculus

- Lianming Zhang (Hunan Normal University, China)
- Benle Yin (Hunan Normal University, China)
- Qian Wang (Hunan Normal University, China)
- Pingping Dong (Hunan Normal University, China)

Lightweight Network Delay Segmentation Based on Smoothed Hierarchical Clustering

- Sanaa Ghandi (IMT Atlantique, France)
- Alexandre Reiffers-Masson (IMT Atlantique, France)
- Sandrine Vaton (IMT Atlantique, France)
- Thierry Chonavel (IMT Atlantic & Université Européenne de Bretagne, France)

Conference Session 10: Internet Measurements

Session Chair: Paola Grosso (University of Amsterdam, Netherlands)

A Decade Long View of Internet Traffic Composition in Japan

- Irina Tsareva (Technical University of Munich, Germany)
- Trinh Viet Doan (Technical University of Munich, Germany)
- Vaibhav Bajpai (CISPA Helmholtz Center for Information Security, Germany)

Cutting Onions With Others' Hands: A First Measurement of Tor Proxies in the Wild

- Dongqi Han (Tsinghua University, China)
- Shangdong Wang (Tsinghua University, China)
- Zhize He (QI-ANXIN Group, China)
- Zhiliang Wang (Tsinghua University, China)
- Wenqi Chen (Tsinghua University, China)
- Chenglong Li (Tsinghua University, China)
- Jiahai Yang (Tsinghua University, China)
- Xingang Shi (Tsinghua University, China)
- Xia Yin (Tsinghua University, China)

FSTC: Dynamic Category Adaptation for Encrypted Network Traffic Classification

- Navid Malekghaini (University of Waterloo, Canada)
- Hauton J. Tsang (University of Waterloo, Canada)
- Mohammad Ali Salahuddin (University of Waterloo, Canada)

- Noura Limam (University of Waterloo, Canada)
- Raouf Boutaba (University of Waterloo, Canada)

Longitudinal Analysis of Wildcard Certificates in the WebPKI

- David Hasselquist (Linköping University & Sectra Communications, Sweden)
- Ludvig Bolin (Linköping University, Sweden)
- Emil Carlsson (Linköping University, Sweden)
- Adam Hylander (Linköping University, Sweden)
- Martin Larsson (Linköping University, Sweden)
- Erik Voldstad (Linköping University, Sweden)
- Niklas Carlsson (Linköping University, Sweden)

Conference Session 11: DNS

Session Chair: Xavi Gelabert (Huawei, Sweden)

Evaluating DNS Resiliency With Truncation, Fragmentation and DoTCP Fallback

- Pratyush Dikshit (CISPA- Helmholtz Center for Information Security, Germany)
- Mike Kosek (Technical University of Munich, Germany)
- Nils Faulhaber (Membrain GmbH, Germany)
- Jayasree Sengupta (CISPA Helmholtz Center for Information Security, Germany)
- Vaibhav Bajpai (CISPA Helmholtz Center for Information Security, Germany)

Optimizing DNS Resolvers for High Loads

- Gil Einziger (Ben-Gurion University Of The Negev, Israel)
- Itay Alayoff (Ben Gurion University of the Negev, Israel)

Wrapping DNS Into HTTP(S): An Empirical Study on Name Resolution in Mobile Applications

- Baiyang Li (Institute of Information Engineering, Chinese Academy of Sciences, China)
- Yujia Zhu (Institute of Information Engineering, Chinese Academy of Sciences, China)
- Qingyun Liu (Institute of Information Engineering, Chinese Academy of Sciences, China)
- Yong Sun (Institute of Information Engineering, Chinese Academic of Science, China)
- Yuedong Zhang (CNCERT, China)
- Li Guo (Institute of Information Engineering, Chinese Academy of Sciences, China)

Conference Session 12: Network Traffic Engineering

Session Chair: Mun Choon Chan (National University of Singapore, Republic of Singapore)

GNSGA: A Decentralized Data Replication Algorithm for Big Science Data

- Xi Wang (Tennessee Technological University, USA)
- Xusheng Ai (Tennessee Technological University, USA)
- Frank Alexander Feltus (Clemson University, USA)
- Susmit Shannigrahi (Tennessee Technological University, USA)

Tactical Traffic Engineering With Segment Routing Midpoint Optimization

- Alexander Brundiers (Osnabrück University, Germany)
- Timmy Schüller (Deutsche Telekom Technik GmbH & Osnabrück University, Germany)
- Nils Aschenbruck (Osnabrück University, Germany)

The Case for Stochastic Online Segment Routing Under Demand Uncertainty

- Jérôme De Boeck (Université de Fribourg, Switzerland)
- Bernard Fortz (Université Libre de Bruxelles, Belgium)
- Stefan Schmid (University of Vienna, Austria)

Conference Session 13: New computing paradigms and TSN

Session Chair: Violet Syrotiuk (Arizona State University, USA)

Full Exploitation of Limited Memory in Quantum Entanglement Switching

- Panagiotis Promponas (Yale University, USA)
- Víctor Valls (IBM Research Dublin, Ireland)
- Leandros Tassiulas (Yale University, USA)

On the (dis)Advantages of Programmable NICs for Network Security Services

- Jack Zhao (Dalhousie University, Canada)
- Miguel Neves (Dalhousie University, Canada)
- Israat Haque (Dalhousie University, Canada)

Simulation and Practice: A Hybrid Experimentation Platform for TSN

- Marcin Bosk (Technische Universität München, Germany)
- Filip Rezabek (Technische Universität München, Germany)
- Johannes Abel (Technische Universität München, Germany)
- Kilian Holzinger (Technische Universität München, Germany)
- Max Helm (Technische Universität München, Germany)
- Georg Carle and Jörg Ott (Technische Universität München, Germany)

TSN Gatekeeper: Enforcing Stream Reservations via P4-Based In-Network Filtering

- Nurefşan Sertbaş Bülbül (Universität Hamburg, Germany)
- Joshua Jannis Krüger (University of Hamburg, Germany)
- Mathias Fischer (Universität Hamburg, Germany)

Conference Session 14: Streaming and Congestion Control

Session Chair: David Hasselquist (Linköping University & Sectra Communications, Sweden)

Dragonfly: In-Flight CCA Identification

- Dean Carmel (Technion – Israel Institute of Technology, Israel)
- Isaac Keslassy (Technion – Israel Institute of Technology, Israel)

FedABR: A Personalized Federated Reinforcement Learning Approach for Adaptive Video Streaming

- Yeting Xu (Nanjing University, China)
- Xiang Li (Nanjing University, China)
- Yi Yang (Nanjing University, China)
- Zhenjie Lin (China Southern Power Grid Digital Platform Technology Company)
- Wang Liming (China Southern Power Grid Digital Platform Technology Company)
- Wenzhong Li (Nanjing University, China)

Q-Learning for Waiting Time Control in CDN/V2V Live Streaming

- Zhejiayu Ma (Universite Cote D'azur & Easybroadcast, France)
- Frederic Giroire (CNRS, France)
- Guillaume Urvoy-Keller (Université Côte d'Azur, France)
- Soufiane Rouibia (EasyBroadcast, France)

TENSOR Technical Session 1: Latency and Performance Guarantees

Session Chair: Luis M. Contreras (Telefónica, Spain)

Flow Prioritization for TSN Asynchronous Traffic Shapers

- Julia Caleyá (University of Granada, Spain)
- Jonathan Prados-Garzon (University of Granada, Spain)
- Lorena Chinchilla-Romero (University of Granada, Spain)
- Pablo Muñoz (University of Granada, Spain)
- Pablo Ameigeiras (University of Granada, Spain)

Data-VCG: A Data Preservation Game for Base Station-Less Sensor Networks With Performance Guarantee

- Jennifer Ly (California State University Dominguez Hills, USA)
- Yutian Chen (California State University Long Beach, USA)
- Bin Tang (California State University Dominguez Hills, USA)

TENSOR Technical Session 2: TSN Platforms

Session Chair: Luis Velasco (Universitat Politècnica de Catalunya, Spain)

On the Integration of OPC UA Over Wired - Wireless Time Sensitive Networking

- Óscar Seijo (Ikerlan Technology Research Centre, BRTA, Spain)
- Raúl Torrego (Ikerlan Technology Research Centre, BRTA, Spain)
- Iñaki Val (MaxLinear Incorporated, USA)

Towards the Integration of TAPRIO-Based Scheduling With Centralized TSN Control

- Georgios Papathanail (University of Macedonia, Greece)
- Lefteris Mamatas (University of Macedonia, Greece)
- Panagiotis Papadimitriou (University of Macedonia, Greece)

TSNZeeK: An Open-Source Intrusion Detection System for IEEE 802.1 Time-Sensitive Networking

- Doğanalp Ergenç (University Hamburg, Germany)
- Robin Schenderlein (University of Hamburg, Germany)
- Mathias Fischer (Universität Hamburg, Germany)

Sec4IoT Technical Session 1: Security for IoT Networks and Devices in 6G – I

Session Chair: José C. Ribeiro (Evotel Informatica SL, Spain)

Behavioral Biometrics for Mobile User Authentication: Benefits and Limitations

- Maria Papaioannou (Instituto de Telecomunicações, Portugal)
- Georgios Mantas (Instituto de Telecomunicações - Pólo de Aveiro, Portugal)
- Emmanouil Panaousis (University of Greenwich, United Kingdom, Great Britain)
- Aliyah Essop (University of Greenwich, United Kingdom, Great Britain)
- Jonathan Rodriguez (Instituto de Telecomunicações, Portugal)
- Victor Sucasas (Technology Innovation Institute, United Arab Emirates)

An IoT/IoMT Security Testbed for Anomaly-Based Intrusion Detection Systems

- Georgios Zachos (Instituto de Telecomunicações, Campus Universitário de Santiago, Portugal)
- Georgios Mantas (Instituto de Telecomunicações - Pólo de Aveiro, Portugal)
- Ismael Essop (University of Greenwich, United Kingdom, Great Britain)
- Kyriakos Porfyraakis (University of Greenwich, United Kingdom, Great Britain)
- Joaquim Bastos (Instituto de Telecomunicações, Portugal)
- Jonathan Rodriguez (Instituto de Telecomunicações, Portugal)

Sec4IoT Technical Session 2: Security for IoT Networks and Devices in 6G – II

Session Chair: José C. Ribeiro (Evotel Informatica SL, Spain)

A Tutorial on the Implementation of a Hyperledger Fabric-Based Security Architecture for IoMT

- Filippos Pelekoudas Oikonomou (Evotel Informática SL, Spain)
- José Ribeiro (Evotel Informatica SL, Spain)
- Georgios Mantas (University of Greenwich, United Kingdom, Great Britain)
- Firooz Bashashi (Evotel Informática SL, Spain)
- Georgia Sakellari (Greenwich of University, United Kingdom, Great Britain)
- Jonathan Gonzalez (Evotel Informática SL, Spain)

Federated Learning-Based In-Network Traffic Analysis on IoT Edge

- Mingyuan Zang (Technical University of Denmark, Denmark)
- Changgang Zheng (University of Oxford, United Kingdom, Great Britain)
- Tomasz Koziak (Netlight, Denmark)
- Noa Zilberman (University of Oxford, United Kingdom, Great Britain)
- Lars Dittmann (Technical University of Denmark, Denmark)

Overcoming New Technologies Challenges in IoT Security Labs: Strategies for Effective Adaptation

- Dimitrios Simopoulos (Democritus University of Thrace, Greece)
- Andreas Wolf (Akkodis Germany, Germany)

IOCRCI Technical Session 1: Security and resilience in IT/OT

Session Chair: Robert Kooij (Delft University of Technology, the Netherlands)

Learning to Walk: Benchmarking the Maturity of OT Security Control Standards and Guidelines

- Sam Maesschalck (Lancaster University, United Kingdom, Great Britain)
- Alexander Staves (Lancaster University, United Kingdom, Great Britain)
- Sam Maesschalck (Lancaster University, United Kingdom, Great Britain)
- Richard Derbyshire (Orange Cyberdefense, United Kingdom, Great Britain)
- Benjamin Green (Lancaster University, United Kingdom, Great Britain)
- David Hutchison (Lancaster University & InfoLab21, United Kingdom, Great Britain)

National roaming as a fallback or default?

- Lotte Weedage (University of Twente, The Netherlands)
- Syllas R. C. Magalhães (University of Twente, The Netherlands)
- Suzan Bayhan (University of Twente, The Netherlands)

Exploring the Quantitative Resilience Analysis of Cyber-Physical Systems

- Romain Dagnas (Institut de Recherche Technologique SystemX)
- Michel Barbeau (Carleton University, Canada)
- Maxime Boutin (Institut de Recherche Technologique SystemX)
- Joaquin Garcia-Alfaro (Institut Mines-Telecom, France)
- Reda Yaich (Institut de Recherche Technologique SystemX)