

PROGRAM

Thursday, October 26, 2023

8:30 – 9:00 – Registration (Amphitheater Gaston Planté, 2 rue conté, Métro Arts et Métiers)

9:00 – 9:15 – Opening conference

9:15 – 10:00 – Keynote Session :

Improvement of secure and private Key-Value data sharing

Prof. Hiroaki Kikuchi, Meiji University, Japan

10:00 – 10:15 Coffee Break

10:15 – 12:00 Session 1 on Security (session chair: Soumya Banerjee)

10:15 “IoTDisco: Strong yet Lightweight End-to-End Security for the Internet of Constrained Things”

Johann Groszschaedl (University of Luxembourg, Luxembourg) et al.

10:45 - STRUC-TEMP GNN : “An Intrusion Detection Framework in IoT Networks using Dynamic Heterogeneous Graph Neural Networks”

Imed Eddine Boukari (Cnam, iThake, France), **Samia Bouzefrane** (Cnam, France) et al.

11:15 - “Generating Synthetic Data to Improve Intrusion Detection in Smart City Network Systems”

Peter Mikulecky (University of Hradec Kralove, Cz, Republic) et al.

12:00 – 13:30 Lunch

13:30 – 14:15 – Keynote Session:

Towards an Enterprise-Ready Implementation of Artificial Intelligence-Enabled, Blockchain-Based Smart Contracts

Prof. Philipp Brune, Neu-Ulm University of Applied Sciences (HNU). Germany

14:15 -15h45 – Session 2: Smart Networks (Session chair: Haifa Touati)

14:15 “*Building the Shortest Path Database in Urban Traffic Network Using RAO Algorithm*”

Thinh Le Vinh (HCMUTE, Vietnam) et al.

14:45 “*Strengthening applets on legacy SIM cards with singularization, a new Moving Target Defense strategy*” **Chrystel Gaber** (Orange, France) et al.

15:15 “*A Smart Network Repository Based on Graph Database*”

Amar Abane (NIST, USA), **Samia Bouzefrane** (Cnam, France) et al.

15:45: 16:00 Coffea break

16:00- Session 3 on Security in IoT & Smart Systems (Session chair: Fabrice Mourlin)

16:00 “*Enhancing Security in Connected Medical IoT Networks through Deep Learning-Based Anomaly Detection*”

Ismaila Sy (University of Alioune DIOP of Bambey, Senegal) et al.

Friday, October 27, 2023

9:00 – 09:45 – Keynote Session

Defending the Digital Realm: A Holistic Approach to Cybersecurity from the sound of Robot Arms over collaborating competitors to Human Retinas.

Prof. Marc-Oliver Pahl, IMT Atlantique, Industrial chair Cybersecurity for Critical Networked Infrastructure

09:45 – 10:00 Coffee Break

10:00 – 12:00 Session on Blockchain, Privacy & Identification (session chair: Philipp Brune)

10:00 “ *Blockchain-Driven Animal Healthcare: Leveraging NFTs, IPFS, and Smart Contracts for Comprehensive Animal Medical Data* ”

Khoa Tran Dang (FPT University, Vietnam) et al.

10:30 “ *Transforming Child Health Records: Integrating Blockchain, NFTs, and IPFS for Enhanced Medical Data Management* ”

Kha Nguyễn (FPT University, Vietnam)

11:00 “ *Privacy-Preserving Tree-Based Inference with FHE* ”

Roman Bredehoft (Zama, France) et al.

11:30 “ *Applying Transfer Testing to Identify Annotation Discrepancies in Facial Emotion Data Sets* ”

Sarah Dreher (University of Applied Sciences Neu-Ulm, Germany) et al.

12:00 – 13:30 Lunch Break

13:30 – 14:00 – Keynote Session

Named Data Networking: Architecture, Applications and Security Issues.

Prof. Haifa Touati, Professor at Gabes University (Tunisia)

14:00 – 16:00 Trends of Machine Learning (session chair: Hiroaki Kikuchi)

14:00 “ *Multiple Person Tracking based on Gait Identification using Kinect and OpenPose* ”

Ryotaro Toma (Meiji University, Japan) et al.

14h:30 “Evaluating image similarity using contextual information of images with pre-trained models”

Juyeon Kim (Sorbonne Université, Paris, France) et al.

15:00 “*AI vs. Dinosaurs - Automated Re-Implementation of Legacy Mainframe Applications in Java By Combining program synthesis And GPT*”

Simon Fischer-Heselhaus (GMBH Germany) et al.

15:30 “*Fully Distributed Deep Neural Network : F2D2N*”

Ernesto Leite (Cnam, France), **Pierre Paradinas** (Cnam, France) et al.

16:00 – Coffee break

18:00 – Visit of the Museum of Arts and Crafts (free entry)