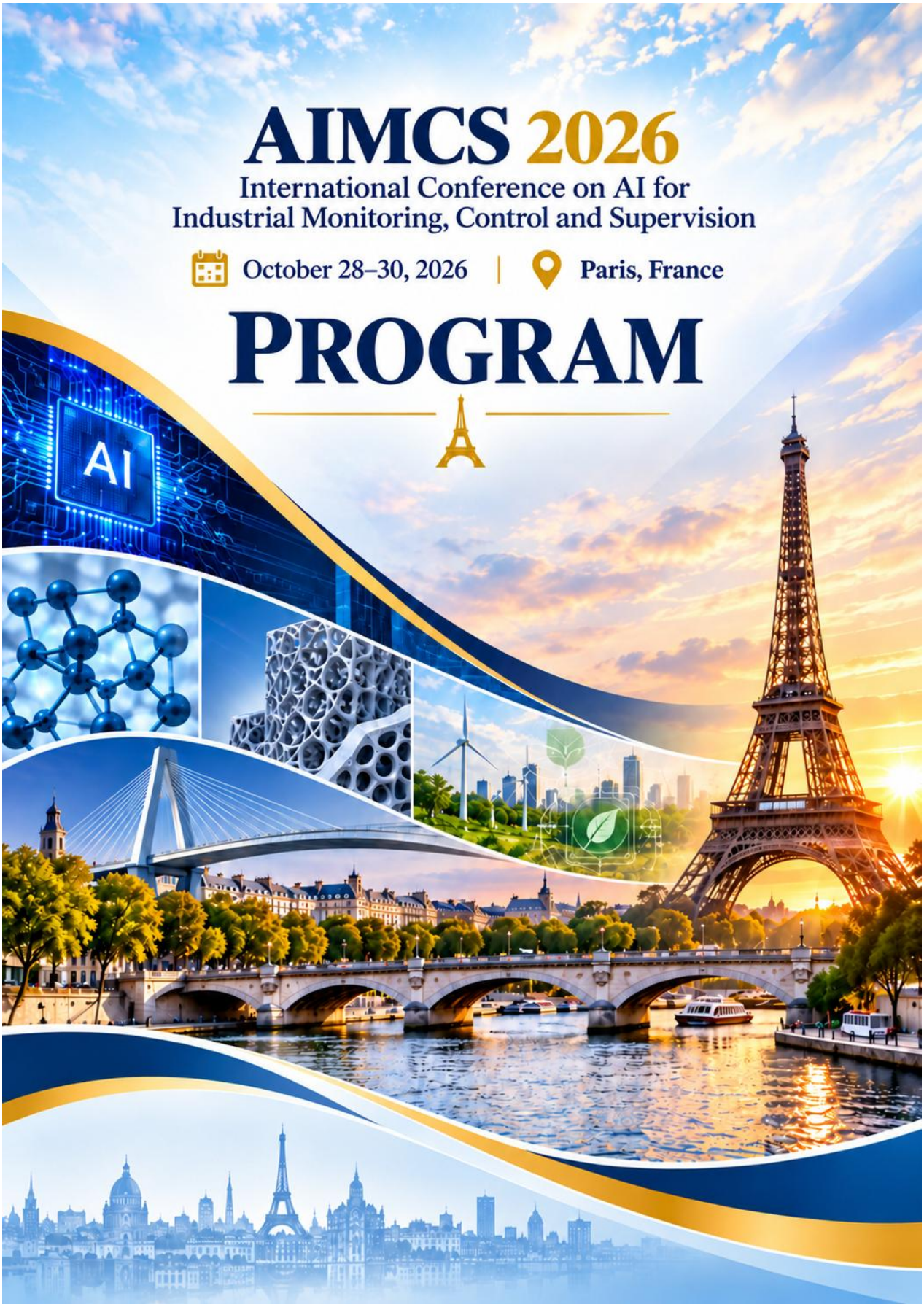

AIMCS 2026
International Conference on AI for
Industrial Monitoring, Control and Supervision
October 28–30, 2026 | Paris, France
PROGRAM
AI

Welcome Message from the Organizing Committee

International Conference on AI for Industrial Monitoring, Control and Supervision (AIMCS 2026)

October 28–30, 2026 | Paris, France

On behalf of the Organizing Committee, it is our great pleasure to welcome you to the **International Conference on AI for Industrial Monitoring, Control and Supervision (AIMCS 2026)**, taking place in Paris, France, from October 28 to 30, 2026.

AIMCS 2026 brings together researchers, academics, engineers, and industrial experts to exchange knowledge and explore advances in artificial intelligence for industrial systems. The conference provides a forum for discussing scientific developments, sharing practical experience, and building collaborations between academia and industry.

As industrial systems become increasingly connected and autonomous, artificial intelligence offers new opportunities to improve their reliability, safety, efficiency, and sustainability. These opportunities also raise challenges concerning data quality, model robustness, interpretability, cybersecurity, and deployment under real operating conditions. Addressing these challenges requires close cooperation across disciplines and a shared understanding of industrial needs.

The scientific programme reflects this diversity through contributions on condition monitoring and diagnostics, mechatronics and automation, language and speech technologies, human-centric systems, and industrial applications. Together, these topics connect methodological advances with practical solutions for monitoring, control, and supervision.

We are particularly pleased to welcome our distinguished keynote speakers, contributing authors, session chairs, and participants joining us both in person and online. Their expertise and active participation will enrich the discussions and provide valuable opportunities for researchers at all career stages to learn from one another.

We would like to express our sincere gratitude to the Scientific Committee, reviewers, keynote speakers, institutional partners, and all members of the Organizing Committee for their dedication and support. We also warmly thank the authors and participants whose contributions form the foundation of this conference.

We hope that AIMCS 2026 will inspire new research directions, encourage lasting partnerships, and advance the responsible use of artificial intelligence in industrial monitoring, control, and supervision.

We wish you an enjoyable, productive, and memorable conference in Paris.

With our warmest regards,

The Organizing Committee - AIMCS 2026

AIMCS 2026

International Conference on
AI for Industrial Monitoring,
Control and Supervision

October 28–30, 2026 | Paris, France

COMMITTEES

GENERAL CHAIR

Name	Affiliation
Prof. David BASSIR	Senior IEEE Member, Dongguan University of Technology (DGUT), China Paris-Saclay University, France

TECHNICAL CHAIRS

Name	Affiliation
Dr. HDR. Hichame MAANANE	Chairman of the IEEE France Reliability Chapter, THALES DMS, France
Assoc. Prof. Hai Canh VU	University of Technology of Compiègne (UTC), France

ORGANIZING COMMITTEE CHAIRS

Name	Affiliation
Dr. Osman SALEM	Université Paris Cité – Centre Borelli, CNRS UMR 9010, France
Dr. Von-Dim NGUYEN	Thai Nguyen University of Information and Communication Technology (ICTU), Vietnam

PUBLICATION CHAIRS

Name	Affiliation
Assoc. Prof. Hai Canh VU	University of Technology of Compiègne (UTC), France
Prof. Jaafar GABER	Université de Technologie de Belfort-Montbéliard (UTBM), France

FINANCE CHAIR / TREASURER

Name	Affiliation
Prof. Marc DAHAN	Association Franco-Chinoise en Sciences & Technologies (AFCST), France

TECHNICAL COMMITTEE MEMBERS

Name	Affiliation
Prof. Christophe DANJOU	Polytechnique Montréal, Canada
Assoc. Prof. Nasim BOUDAOUD	University of Technology of Compiègne, France
Prof. Ahmed MEHAOUA	Université Paris Cité, CNRS Borelli Center UMR 9010, France
Prof. Yang GAO	South China University of Technology (SCUT), China
Prof. Xiuheng WANG	South China University of Technology (SCUT), China
Prof. Zhanpeng JIN	South China University of Technology (SCUT), China
Prof. Pierre DAHOO	Paris-Saclay University, France
Prof. Abdel CHEROUAT	University of Technology of Troyes, France
Assoc. Prof. Ata Jahangir MOSHAYEDI	Senior IEEE Member, Jiangxi University of Science and Technology, China
Prof. Mohammad TALHA	IIT Mandi, India
Prof. Abdelkhalak El HAMI	INSA Rouen / Normandy University, France
Prof. MingJun ZHANG	Sino-French Institute, Dongguan University of Technology, China
Prof. Zied MOUMNI	ENSTA Paris, France
Prof. Ghanshyam G. TEJANI	Yuan Ze University, Taiwan
Dr. Quy-Nam TRAN	Dai Nam University, Vietnam
Dr. Kim Anh NGUYEN	The University of Danang – University of Science and Technology, Vietnam
Dr. Ho Si Hung NGUYEN	The University of Danang – University of Science and Technology, Vietnam
Dr. Chien Thang VU	Thai Nguyen University of Information and Communication Technology (ICTU), Vietnam

ORGANIZING COMMITTEE MEMBERS

Name	Affiliation
Prof. Pierre DAHOO	Paris-Saclay University, France
Jiahui XIANG	Université Paris Cité – Centre Borelli, CNRS UMR 9010, France
Abdelnahen SENOUSSAOUI	Université Paris Cité – Centre Borelli, CNRS UMR 9010, France
Dr. Dang Cong TRAN	Dai Nam University, Vietnam
Assoc. Prof. Trung Nghia PHUNG	Thai Nguyen University of Information and Communication Technology (ICTU), Vietnam
Assoc. Prof. Minh Thanh TA	Le Quy Don Technical University, Ha Noi, Vietnam

AIMCS 2026

International Conference on AI for Industrial Monitoring, Control and Supervision

October 28–30, 2026 | Paris, France

How to Reach the Conference Venue

Information for Participants

Conference Venue

Saint-Germain-des-Prés Campus (BU Saint-Germain-des-Prés)
45 Rue des Saints-Pères
75006 Paris, France

Located in the heart of Paris, in the Saint-Germain-des-Prés district, on the Left Bank of the Seine.

By Metro

- Line 4 – **Saint-Germain-des-Prés**
  Approximately 5 minutes' walk.
- Line 12 – **Rue du Bac**
  Approximately 4–5 minutes' walk.
- Line 10 – **Mabillon**
  Approximately 7 minutes' walk.

By Bus

- Line 39 95 – **Stop at Jacob**
  Approximately 1–2 minutes' walk.
- Line 63 87 – Stop at **Saint-Germain-des-Prés**
  Approximately 4–5 minutes' walk.
- Line 86 – Also serves the Saint-Germain-des-Prés area.

By RER

- RER B or C – Get off at Saint-Michel, then continue by walking or metro.
- RER E or C – Get off at Musée d'Orsay, then continue by walking or public transportation.

By Car or Taxi

- Enter the address: **45 Rue des Saints-Pères, 75006 Paris** into your navigation system.
- Public parking facilities are available in the surrounding Saint-Germain-des-Prés area.
- Parking spaces may be limited, so **public transportation is strongly recommended.**

Venue Entrance

- Enter the campus at 45 Rue des Saints-Pères.
- To reach the **Saint-Germain-des-Prés University Library (Bâtiment Jacob),** cross the main entrance hall and continue into the courtyard.
- The library is located on the left, on the ground floor.

Paris public transportation
https://www.ratp.fr/

Interactive map
View on Google Maps

See you in Paris

AIMCS 2026
Organizing Committee

AIMCS 2026

International Conference on
AI for Industrial Monitoring,
Control and Supervision

GALA DINNER

AT

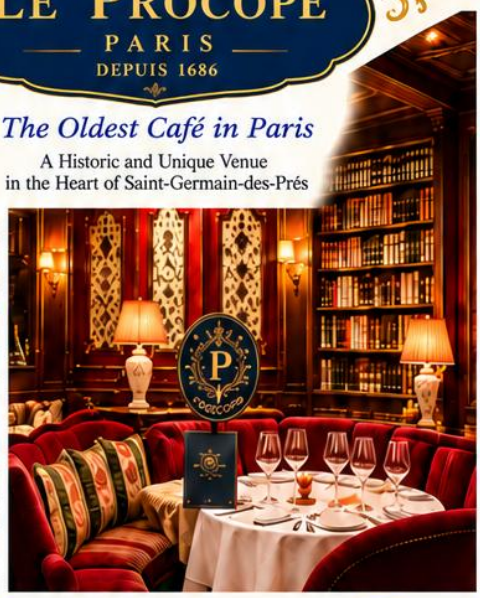
LE PROCOPE

PARIS

DEPUIS 1686

The Oldest Café in Paris

A Historic and Unique Venue
in the Heart of Saint-Germain-des-Prés



Thursday
29 October 2026
19:00 – 22:30

Le Procope
13, rue de l'Ancienne Comédie
75006 Paris, France

A Unique Historic Venue
Founded in 1686, Le Procope is the oldest café in Paris, a legendary place frequented by writers, philosophers and great personalities.

LOCATION

HOW TO REACH

METRO

Nearest station: Odéon

4 10

5 minutes walk (400 m)
Exit: Place de l'Odéon, then walk along Rue de l'Ancienne Comédie.

BUS

Lines 63, 70, 86, 87, 96
Stop: Saint-Germain-des-Prés
5 minutes walk

63 70 86 87 96

TAXI / RIDE-HAILING

Address to give the driver:
Le Procope
13, rue de l'Ancienne Comédie
75006 Paris
Located in the Saint-Germain-des-Prés district, close to Odéon and the Luxembourg Gardens.

International Conference on AI for Industrial Monitoring, Control and Supervision (AIMCS 2026)

October 28th-30 th, 2026

Paris, France

https://aimcs2026.org/

PROGRAM

Wednesday, October 28th

14:00-18:00	**REGISTRATAION**

Thursday, October 29th

9:00 - 9:15	**WELCOME CEREMONY**

9:15 - 9:55	**Keynote lecture 1 : Prof. Jaafar GABER** ***Universty of Technology of Belfort Montbeliard, France*** **Titre : Approaches to implementing programmable matter: development of reusable and resettable programmable devices** ***Location : Hall Claude Bernard (4th Floor)* / Online channel 1**

9:55 - 10:25	**Group Photo & Coffee break**

10:25 - 11:00	**Keynote lecture 2 : Dr. Mathieu BALESDENT** ***Director of Research : ONERA – The French Aerospace Lab, France*** **Title : Multiphysics system analysis and optimization under uncertainty** ***Location : Hall Claude Bernard (4th Floor)* / Online channel 1**

11:00-12:15	**Session H1** **Room : Hall Claude Bernard (4th Floor) / Online channel 1** **Chairman : Prof. Ahmed MEHAOUA**
11:00-11:15	**Data-Driven Process Monitoring in a Power-to-Methanol process: Fault Detection, Isolation, and Localization** *Max Kollmer, Dennis Becker, Falk Balduf, Markus Vogelbacher, Mücahit Terzi, Akasha Nonavinakere Venkatesh, Mohit Singh and Jörg Matthes*
11:15-11:30	**Anomaly Detection and Classification for Pressure Signal Validation in Nuclear Power Plant Systems** *Rachel Haighton and Rosa Elia Ortega Pelayo*
11:30-11:45	**Peer-Contagion-Enhanced XGBoost for Predictive Maintenance in Railways: Toward Future IoT-Enabled Condition Monitoring** *Angshuman Roy, Kavita Gautam, Raja Laha, Shailesh Verma, Rajnish Jain and Amit Mehrotra*
11:45-12:00	**Tackling Time Series Challenges for AI-based Predictive Maintenance** *Shiva Poursaleh, Fariborz Derakhshan and Ronald Naumann*

11:00-12:15	**Session H1** **Room : Hall Claude Bernard (4th Floor)/ Online channel 1** **Chairman : Prof. Ahmed MEHAOUA**
12:00 -12:15	**Task-Aware Conditional Multi-Sensor Acquisition for Predictive Maintenance via a Kalman-Gated Acquisition Cell.** *Guillaume Prevost, Esteban Cabanillas, Jérôme Boutet and Cornel Ioana*

11:00–11:30	**Session M1** **Room: Mendel A (Floor 1)/ Online channel 2** **Chair: Dr. Ata Jahangir MOSHAYEDI**
11:00–11:15	**Wine Quality Assessment Using Electronic Nose: Dataset Availability, Sensor Modalities, and Predictive Applications** *Ata Jahangir Moshayedi, Fangdi Xu, Jiajia Pan, Abel Cherouat and David Bassir*
11:15–11:30	**Development of an AI-Based Real-Time Distortion Calibration Model for an Autofocus 2D Camera in Precision Dimensional Measurement** *Min-Ju Cho, Jin Kim, Jeong Min Ha, Jae Yong Yoon, Tae Bu Kim, Gab Soon Kim, Yong-Beom Jeong and Geum-Seok Oh*

11:30–12:15	**Session M2** **Room: Mendel A (Floor 1)/ Online channel 2** **Chair: Prof. Abdelnahen SENOUSSAOUI**
11:30–11:45	**Digital Twin-Assisted Monte Carlo Uncertainty Quantification for IRFA Microfluidic System for Multiple Inorganic Analytes Monitoring** *Yongqi Chen, Muhammad Awais, Abiodun Yusu? Moshood, David Bassir, Min Jiang and Jiandong Hu*
11:45–12:00	**SNNs for the efficient 3D supervision** *Nardos Hadis Haile and Jonathan Rivalan*
12:00–12:15	***A Wrapper-Based Feature Optimization Framework with a Novel Macro-F1 Fitness Function for Compact ECG Heartbeat Classification*** *Ouafae El Melhaoui, Redouane Mghaiouini, Hassan Naanani and Samir Elouaham*

12:15 – 14:00	**LUNCH**

14:00 – 14:30	**Keynote lecture 3 : Dr. Hichame MAANANE** ***Vice President IEEE (Section 8)*** **Titre : Next-Generation Industrial AI: Architecting Safe, Autonomous, and Self-Healing Systems** ***Location : Hall Claude Bernard (4th Floor)*** **/ Online channel 1**

14:30-16:00	**Session H2** **Room : Hall Claude Bernard (4th Floor) / Online channel 1** **Chairman : Prof. Joseph ZARKA**
14:30-14:45	**An Integrated Agentic Framework for Failure Investigation of Oilfield Tools** *Ahmed Mosallam, Ahmad Al Masri, Nahieli Vasquez-Feregrino, Corina Panait, Karolina Sobczak, Yana Ginszt, Alejandro Olid Gonzalez, Qian Su, Pratyush Snehi, Fares Ben Youssef, Dinesh Sukumar and Marcial Nakamura*
14:45 -15:00	**NLP-Based Fault Diagnosis Method for Multifunction Logging-While-Drilling Services** *Corina Panait*
15:00- 15:15	**A Framework for Knowledge Graph Expansion in LLM-Assisted Fault Diagnosis via Human-in-the-Loop Updates** *Daniel Ospina-Pajoy, Gilberto Osorio-Gómez, Yomin Jaramillo-Múnera and Juan Carlos Arbeláez-Estrada*
15:15 -15:30	**CUBITRON: A Multi-Modality Early-Warning Platform for Medium-Voltage Cubicles — Architecture and Preliminary Field Results** *Dhany Irvandy, Adi Kusmiyanto, Ary Gemayel, Tri Susilo, Fairuz Luthfa and Rahadian Nur*
15:30 – 16:00	**Hybrid Rule-Based and Machine-Learning Anomaly Detection for Fault Monitoring of Motorway Inductive-Loop Vehicle Detectors** *Saeedeh Ghanadbashi, Maha Riad, Erik Giesen Loo, Robert Corbally and Andrew O'Sullivan*

14:30-16:00	**Session M3** **Room : Mendel A** (Floor 1) **/ Online channel 2** **Chairman : Dr. Ata Jahangir MOSHAYEDI**
14:30-14:45	**Event-Driven Edge-Assisted IoT Communication for Food Safety Monitoring in Smart Supply Chains** *Mohammad Abrar, Yousuf Al Husaini, Mohammed Al Hussaini, Shamaila Butt, Rawad Abdulghafoor and Faizan Ullah*
14:45 -15:00	**Machine Learning-Assisted Optimization of Input Data for Distortion Simulation in Sinter-Based Additive Manufacturing** *Jakob Scheibler, Manuel Bösing, Niklas Herzer, Dominique Kießlich, Thomas Studnitzky, Kay Reuter, Christopher Mühlich, Thomas Weißgärber and Julian Polte*
15:00- 15:15	**Accelerated Metamodel-Based Optimization of a Phase Change Material Heat Sink for Electronic Cooling** *Dick Oulianov Ngampo, Radi Bouchaib and Ming-Jun Zhang*
15:15 -15:30	**Python-driven AI-to-FPGA Compilation Framework** *Mingjun Zhang, Michel Terré and Samuel Garcia.*
15:30 – 16:00	**A PI-NNC-Inspired Evaluation of Spatial–Temporal Representations for Atmospheric N H3 Classification and Generalization** *Ata Jahangir Moshayedi, S.Ali Eftekhari, Amir Sohail Khan, Jaafar Gaber and David Bassir*

16:00-16:30	**Coffee break**

16:30-17:30	**Session H3** **Room : Hall Claude Bernard (4th Floor) / Online channel 1** **Chairman : Prof. Joseph ZARKA**
16:30 – 16:45	**Blurring Boundaries and Unnoticed Role Shifts under the EU AI Act: HR Use of General-Purpose AI** *Rimma Dzhusupova and Mark van den Brand*
16:45 – 17:00	**Causal AI-Driven Proactive Cybersecurity for IoMT** *Anissa Hadj Amar, Melissa Challam, Mohamad Jaafar Ali, Osman Salem and Ahmed Mehaoua*
17:00 – 17:15	**An Analysis of SWaT Dataset from the Physical Process Perspective for IDS** *Léa Astrid Kenmogne and Stéphane Mocanu*

16:30-17:30	**Session H3** **Room : Hall Claude Bernard (4th Floor) / Online channel 1** **Chairman : Prof. Joseph ZARKA**
17:15 – 17:30	**Zero-Day SQL Injection Detection in IoMT Using Causal Machine Learning** *Arab Fellah, Mohamad Jaafar Ali, Osman Salem and Ahmed Mehaoua*

16:30–17:45	**Session M4** **Room: Mendel A (Floor 1) / Online channel 2** **Chair: Dr. Jiahui XIANG**
16:30–16:45	**Continuous Wavelet Scalograms for Unsupervised Condition Monitoring of Ball-Screw Systems: Preliminary Results** *Rodrigo Stockler Tognetti, Francesco Morgan Bono and Simone Cinquemani*
16:45–17:00	**Optimization approach for cost-efficient airline crew sizing under operational constraints** *Minh Hung Ho, Dannick Doppagne, Anne-Marie Nugue, Mohamed Ouerghlani, Gabriel Dervieux and Daniel Garcin*
17:00–17:15	**An Industrial AI Framework for Automated PCB Inspection Using Hierarchical Anomaly Detection** *Yohanna Yerima Williams, Samuel Abayomi Obadero*
17:15–17:30	**Comparative Study of Hybrid ML and DL Architectures for Intrusion Detection in IoMT Networks Using CTGAN Data Augmentation** *Jeen Juvana Jeny Jeyaraj, Maya Abbad, Jiahui Xiang, Osman Salem and Ahmed Mehaoua*
17:30–17:45	**Terahertz Metamaterial Absorption Prediction Using Machine Learning** *Saud Aldossari*

19h30-21h30	**Gala Event**

Friday, October 30

All times are Paris time (CET, UTC+1). Online access links will be shared.

09:00–10:30	**Session H4** **Room: Hall Claude Bernard (4th Floor) / Online channel 1** **Chair: Dr. Von-Dim NGUYEN and Dr. Van-Quan HOANG**
09:00–09:15	**D3QN Weight Scheduling Versus Tuned Static Weights in MPC Lateral Tracking** *Tri-Quang Le and Van-Tung Bui*
09:15–09:30	**Boundary-Aware Admittance Control for Contact-Force Regulation of an Underactuated Quadrotor on an Oscillating Surface** *Van Trong Nguyen*
09:30–09:45	**AI-Based Detection and Real-Time Tracking of a Moving Ground Target by an Autonomous UAV Using YOLOv8 and Image-Based Visual Servoing** *Chinh Pham Van, Son Nguyen Van, Ngoc Pham Van, Dim Nguyen Von, Yen Hoang Thi Hai and Cuong Nguyen Van*
09:45–10:00	**Soft Actor–Critic Deep Reinforcement Learning for Trajectory Tracking of a Quadrotor UAV** *Dim Nguyen Von, Chinh Pham Van, Nam Nguyen Phu, Huy Luong Quang, Kien Nguyen Xuan and Nguyen Van Cuong*
10:00–10:15	**Deep Reinforcement Learning for Autonomous Goods Sorting and Color-Conditioned Delivery with a Mobile Manipulator in High-Fidelity Simulation** *Nam Nguyen Phu, Chinh Pham Van, Dim Nguyen Von, Ngoc Pham Van, Dung Nguyen Thuy and Nguyen Van Cuong*
10:15–10:30	**Gramian Compression for Six-Agent Robotic Manipulators** *Van-Ngoc Pham, Thi-Loan Do and Thi-Oanh Vu*

09:00–10:30	**Session M5** **Room: Mendel A (Floor 1) / Online channel 2** **Chair: Dr. Dang-Cong TRAN**
09:00–09:15	**DNU-ViSpeech: A Vietnamese Read-Speech Corpus and Benchmark for ASR Adaptation** *Thi Thuy Trang Le, Thai Bao Le, Hoai Nam Dinh, Van Dung Hoang and Dang Cong Tran*
09:15–09:30	**A Confound Audit of Speaker-Role Probing in Streaming Sortformer** *Phuong Hue Hoang, Thi Thuy Trang Le, Thai Bao Le and Dang Cong Tran*

09:00–10:30	**Session M5** **Room: Mendel A (Floor 1) / Online channel 2** **Chair: Dr. Dang-Cong TRAN**
09:30–09:45	**Runtime Lifecycle Cost and Output Fidelity for Quantized Speech Translation on QCS8550** *Thai Bao Le and Thi Thuy Trang Le*
09:45–10:00	**Discursive Construction of Vietnamese EFL Teacher Identity in the Generative AI Era through Critical Genre Analysis** *Thuy Linh Nguyen and Thanh Hao Duong*
10:00–10:15	**The impact of AI adoption on job security and sustainable employability: a non-traditional security approach.** *Vuong Thi Nhung, Do Thi Quyen, Thanh Trinh, Do Thi Thuy Trang*
10:15–10:30	**The impact of Organizational AI Adoption: An integrated model of Job security, Job stability, Job safety and Sustainable employability** *Vuong Thi Nhung, Nguyen Huy Anh, Hoang Anh Tuan, Do Thi Dieu Thu*

10:30–10:45	**Coffee break**

10:45–12:30	**Session H5** **Room: Hall Claude Bernard (4th Floor) / Online channel 1** **Chair: Dr. Von-Dim NGUYEN and Dr. Van-Quan HOANG**
10:45–11:00	**State-space compression of a Leader–follower Multi-UAV network** *Thi-Phuong Dao, Thi-Loan Do and Nguyen Hien*
11:00–11:15	**Construction of a Low-Order Model for V2V-Connected Vehicle Networks** *Von-Dim Nguyen, Thi-Loan Do and Nguyen Thanh Tung*
11:15–11:30	**PSO-Based Gain Tuning for Exact Linearization Control with Time-Receding Disturbance Estimation in a Twin Rotor MIMO System** *Bao Loc Dam*
11:30–11:45	**Edge-AI-Based Closed-Loop for Smart Home Automation** *Thanh-Nam Pham and Pham Thanh Phong*
11:45–12:00	**Smart Air Conditioning Control System for Classrooms: An Autonomous Edge-AI Framework for Intelligent HVAC Automation** *Thanh-Nam Pham, Dam Duc Don and Pham Minh Tu*
12:00–12:15	**Performance–Energy Tradeoffs of Active RIS and Decode-and-Forward Relay Systems** *Huy-Khoi Do, Tuan-Nam Dang and Phuong-Thao Bui*
12:15–12:30	**Delay Loss and Reliability Characterization of Heterogeneous 5G Traffic under Preemptive Service Differentiation** *Lan-Phuong Ngo-Thi, Thi-Dung Nguyen, Tuan-Nam Dang and Phuong-Thao Bui*

10:45–12:30	**Session M7** **Room: Mendel A (Floor 1) / Online channel 2** **Chair: Dr. Salem OSMAN**
10:45–11:00	**A New Framework Approach for Data Security Management in Digital Transformation: A Case Study of Petrolimex Vietnam** *Nguyen Huy Anh, Truong Thi Viet Phuong and Tao Thi Van Anh*
11:00–11:15	**Self-Describing Manufacturing Data: Enabling Zero-Touch Validation for Agentic MES–DCS Integration** *Shriprakashan Parapalli*
11:15–11:30	**Policy-Value Divergence Monitoring: A Sparse-Audit Framework for Detecting Reward Hacking in Reinforcement Learning Agents** *Mitchelle Ashley Creado*
11:30–11:45	**AI-Driven Business Documentation: A Comprehensive Review of Approaches and Applications** *Sebbar Abdelhamid, Omar Zahour and El Habib Benlahmar*
11:45–12:00	**Comparative Study of Automated vs Rule-Based EDI Mapping Techniques in Logistics and Retail Supply Chains for Integration Efficiency and Error Reduction** *Vikrantkumar Hemantbhai Joshi*
12:00–12:15	**From Design Optimization to Intelligent Supervision in Additive Manufacturing: A Systematic Review of Artificial Intelligence-Based Approaches** *Samir Imani and Mohammed Nassraoui*
12:15–12:30	**Enhancing Cybersecurity in IoMT Through Artificial Intelligence: A Proactive Approach** *Illies Douhab, Paul Nabti, Osman Salem and Ahmed Mehaoua*

12:30–14:00	LUNCH

14:00–15:15	**Session H6** **Room: Hall Claude Bernard (4th Floor) / Online channel 1** **Chair: Dr. Alexandre VU**
14:00–14:15	**Quantum Adaptive Self-Attention for Time Series Forecasting: A Comparative Study on Weather Prediction** *Abdorreza Torabi, Alireza Arab and Mohammad Bagher Bayati*
14:15–14:30	**Ai-Driven Industrial Monitoring and supervision architecture for a real-time fire Risk Prevention in industrial factories** *Younesse Ouahbi, Kamal Najem and Meryem Ennakri*

14:00–15:15	**Session H6** **Room: Hall Claude Bernard (4th Floor) / Online channel 1** **Chair: Dr. Alexandre VU**
14:30–14:45	**Remaining Useful Life Prediction: Bi-LSTM–LSTM versus Wiener Process** *Oumaima Benalaya, Safa Ben Ayed and Marwa Hasni*
14:45–15:00	**A Comparison of Reconstruction-based Approaches applied in Multiple Low-Resolution SCADA Wind Turbine Anomaly Detection** *Le Minh Hoang Pham, Hai Canh Vu, Christophe Danjou, Nassim Boudaoud and Vincent Lanfranchi*
15:00–15:15	**Digital Twin-Enabled Autonomous Control Framework for PLC-SCADA Hierarchies in Industry 5.0 with High-Level Decision-Making and Self-Optimization** *Aniket S. Kelkar*

14:00–15:00	**Session M8** **Room: Mendel A (Floor 1) / Online channel 2** **Chair: Dr. Ata Jahangir MOSHAYEDI**
14:00–14:15	**Contrôle de surface et métrologie en fabrication additive : cartographie comparative des moyens d'inspection** *Oualid Benamar*
14:15–14:30	**Risk-Posture Adaptive Large Neighborhood Search for Vehicle Routing with Stochastic Demands** *Bicong Wang and Zhen Yang*
14:30–14:45	**Mitigating Prompt Injection Attacks in AI-Integrated Web Applications: A Layered Defense Architecture** *Mitchelle Ashley Creado*
14:45–15:00	**Fail-Safe Architectures for AI-Enabled Robots: Safe States and Runtime Assurance** *Petros Loukas, Savvas Chatzichristofis and Angelos Amanatiadis*

14:00–15:15	**Session B6** **Room : Mendel B** (Floor 1) **/ Online channel 3** **Chairman : Prof. David BASSIR**
14:00–14:15	**Training-Data Construction and Sequence-Location Sensitivity in Window-Level Predictive Maintenance Using Statistical and Recurrent Learning** *Shroog Alshamari and Christos Papachristou*

14:00–15:15	**Session B6** **Room : Mendel B** (Floor 1) **/ Online channel 3** **Chairman : Prof. David BASSIR**
14:15–14:30	**AIOps for Storage Infrastructure: Anomaly Detection, Root Cause Inference, and Knowledge-Guided Self-Healing** *Prem Ganesh Elango*
14:30–14:45	**Machine Learning-Augmented Finite Element Modeling for Laser Directed Energy Deposition** *Adnane Zoubeir, Bouchaib Radi and David Bassir*
14:45–15:00	**Topology Optimization of FDM-Printed PLA Specimens Ranked by Predicted Fracture** *Ahmed Ait Ouchaoui, Mohammed Nassraoui and Bouchaib Radi*
15:00–15:15	**Thermal Performance of a Novel Finned System Incorporating a Hybrid Nano-Enhanced Phase Change Material** *Alaeddine Zereg, Chabani Ines, Nadhir Lebaal*

19:30–21:00	**PARIS BOAT TRIP**

Online Access Links

Use the channel indicated for your session in the conference program. Click a meeting link below to join.

Channel / Platform	Meeting link
Online Channel 1 Zoom	Join Online Channel 1
Online Channel 2 Microsoft Teams	Join Online Channel 2
Online Channel 3 Microsoft Teams	Join Online Channel 3

Important: Meeting passcodes will be sent to registered participants by email before the conference.

Instructions for Online Participants

All program times are in Paris local time (CET, UTC+1).

- Please join your assigned online channel at least **10 minutes before** your scheduled session.
- Use your full name as your display name.
- Keep your microphone muted when not speaking.
- Presenters should test their microphone, camera, and screen-sharing functionality before their presentation.
- Please follow the instructions provided by the session chair.