

CONFERENCE PROGRAMME

The Collocate

IEEE

12th International Conference on IoT, Systems, Management & Security

12 International Conference on Software Defined Systems

Global Congress on Emerging Technologies

Lyon, France 2-5 December 2025

Venue

Claude Bernard University Lyon 1, Lyon France

Avenue Gaston Berger 69100 Villeurbanne

Campus de la DOUA

Tramway T1 or T4

Stop « La Doua - Gaston Berger »

CONFERENCE PROGRAMME

02-Dec		03-Dec		04-Dec		05-Dec
08:00-17:00	Registration	08:00-17:00	Registration			Social Activity and Networking Day River Cruise: 11:00
08:45-09:15	Opening			09:00-10:30	Keynote Talks	
09:20-10:50	Keynote Talks	09:00-10:30	Keynote Talks			
10:50-11:15	Coffee Break	10:30-11:00	Coffee Break	10:30-12:30	Technical Sessions	
11:15-12:45	Technical Sessions	11:00-12:30	Technical Sessions	12:30-14:15	Lunch & Closing	
12:45-14:00	Lunch	12:30-14:00	Lunch			
14:00-17:00	Technical Sessions	14:00-17:00	Technical Sessions			
19:00-22:00			Conference Gala Dinner			



Tuesday 2 nd December 2025		
08:00 - 17:00	Onsite registration: Bâtiment Thémis – HALL, Gournf Floor	
08:45-09:15	Opening & Welcome Bâtiment Astrée – Amphi Astrée 13	
09:20 – 10:50	<p>Keynote Speaker 1: Azzedine Boukerche, FIEEE, FCAE, FEIC, FAAAS, FAAIA, University of Ottawa, Canada Leveraging Urban Computing with Smart Internet of Drones for Smart and Sustainable Megacities.</p> <p>Keynote Speaker 2: Dr. Genoveva Vargas Solar – French Council of Scientific Research (CNRS) GALILEAN: Graph Analytics Workflows Enactment on Just in Time Architectures</p> <p>Chair: Prof. Chirine Ghedira Bâtiment Astrée – Amphi Astrée 13</p>	
10:50 - 11:10	COFFEE BREAK and Networking : Bâtiment Thémis, Grounf Floor, Room 54	
11:15 - 12:45	Session 1	<p>Chair: Prof. Tamara Zhukabayeva Bâtiment Thémis, Grounf Floor, Room 5</p> <p>Cross-Protocol Experimental Assessment of BLE and RFID Vulnerabilities in IoT Devices <i>Dimitris Koutras, Nikolaos Fokos, Vangelis Malamas and Panayiotis Kotzanikolaou</i></p> <p>From Detection to Decision: Adaptive Orchestration of Cyber Defense in IT/OT Converged IoT Networks <i>Vangelis Malamas, Dimitris Koutras and Panagiotis Giannopoulos</i></p> <p>Assessing the Success of Evil Twin Attacks in WPA3-Enterprise Networks <i>Saken Tleuberdin, Dina Satybaldina, Tolegen Aidynov, Aliya Issainova, Zhaniya Magmur and Gulsipat Abisheva</i></p> <p>Meta-Ensemble Deep Learning Framework with Grad-CAM Explainability for Robust Image-Based Malware Detection in Industrial IoT Networks <i>Tamara Zhukabayeva, Zulfiqar Ahmad, Jamil Abedalrahim Jamil Alsayaydeh, Nurdaulet Karabayev, Yerik Mardenov and Dilaram Baumuratova</i></p> <p>Resilient SDR-Based Remote Sensing with Asynchronous Edge Upload and Cloud-Native Parallel Processing <i>Sonny Wandel and Michael Einhaus</i></p>
		<p>Chair: Prof. Ali Eslami Bâtiment Thémis, Grounf Floor, Room 55</p> <p>Unjammable and Resilient Communications for UAV Swarms: A Hybrid FSO/mmWave Approach <i>Ali Eslami</i></p> <p>Network-Aware Multi-Objective Dynamic Allocation of Virtual Machines in Cloud Data Centers <i>Sara Shar Faiz Alshehri and Khaoula Hamdi</i></p> <p>Functional Size Measurement of Hybrid Classical Quantum Software Systems <i>Hassan Soubra, Tuna Hacaloglu, Alain Abran, Pierre Bourque and Sylvain Béliand</i></p> <p>Investigating Violations of Coding Standards in Large Language Models <i>Yongbeom Park, Hoyong Lim, Jian Kim and Ki-Il Kim.</i></p> <p>Insights on Quantum Software Functional Size Measurement: Key Concepts, Challenges and Motivations <i>Tuna Hacaloglu, Hassan Soubra, Youssef Adel, Pierre Bourque and Alain Abran</i></p>

12:45-14:00	LUNCH & NETWORKING	
14:00 - 17:00	Session 3	<p>Chair: Dr. Badar Almarri Bâtiment Thémis, Ground Floor, Room 53</p> <p>Class Imbalance Mitigation: A Stacked Ensemble Approach Using Heterogeneous Oversampling for Churn Prediction in Telecom Industry <i>Badar Almarri, Hasan Alkahtani and Munam Shah</i></p> <p>On CJK support for displays of minimalistic IoT devices <i>Antoine Bossard</i></p> <p>Planar Meta-Lens-Enabled High-Gain Circularly Polarized Fixed-Beam Antenna for Wideband IoT Applications at Millimeter-Waves <i>Ubaid Ullah, Slawomir Koziel and Anna Pietrenko-Dabrowska</i></p> <p>Evaluating Communication Models for Scalable IoT-Cloud Integration <i>Samuel Horáček, Roberto Rossi, Ahmad Al-Shishtawy and Vladimir Vlassov</i></p> <p>Towards Realistic Testing of Algorithms and Protocols in IoT Through a Novel Mobility Model <i>Leon Luca Lausberg, Paulo Rettore, Philipp Zißner, Sean Kloth, Edgar S. Oliveira, Clayson Celes, Peter Sevenich and Bruno Santos</i></p> <p>Enabling the Design of Robust Network Applications by Creating Realistic Scenarios <i>Edgar S. Oliveira, Paulo Rettore, Clayson Celes, Leon Luca Lausberg, Rodolfo Meneguette and Nils Aschenbruck</i></p> <p>Unifying Distributed Workflows: A High-Performance Protocol for CONTROL-CORE. <i>Saksham Gera Mayuresh V. Kothare, and Pradeeban Kathiravelu</i></p> <p>MobMetrics: A Modular Architecture for Computing and Visualizing Mobility Metrics <i>Márcio Filho, Lucas Novais, Leon Luca Lausberg, Peter Sevenich, Paulo Rettore and Bruno Santos</i></p> <p>SnapAI: a Simulator for Network Algorithms and Protocols with Artificial Intelligence integration <i>João Vitor S. Coelho, Leon Luca Lausberg, Philipp Zißner, Peter Sevenich, Vinícius F. S. Mota, Cássio V. S. Prazeres, Paulo Rettore and Bruno Santos</i></p>
14:00 - 17:00	Session 4	<p>Chair: Dr. Jussi Keskikuru Bâtiment Thémis, Ground Floor, Room 55</p> <p>Edge AI and Federated Learning: A Post-Cloud Paradigm for The Next Decade of Intelligent Computing P. William, Firas Tayseer Ayasrah, Thipendra P. Singh, D. B. Pardeshi</p> <p>Understanding Consumer Adoption of Electric Vehicles: Quantitative and Qualitative Thematic Analysis of AI-Extracted Marketing Enablers and Behavioral Barriers <i>Ajayeb Abu Daabes, Faten F. Kharbat, Imen Gharbi and Rawa Hijazi.</i></p> <p>Capacitive Energy Harvesting from the Electric Field of Overhead Power Lines <i>Jussi Keskikuru, Tuomas Rauta, Joel Haverinen, Qudrat Ullah and Pekka Ruuskanen</i></p> <p>Low-Power Real-Time TinyML Approach for Pothole and Speed Bump Classification Using IMU Data on FPGA <i>César Melo, Pedro Delgado, Gabriel Carvalho, Rui Silva, Hugo Peixoto, José Machado</i></p>

		<p>Using Trend Analysis for Supporting Environment Monitoring Through IoT-based Systems <i>Willon Ferreira da Silva, Vitor Pereira de Souza, Francisco Gustavo Simão Gamileira, Evaldo Mendes Dos Santos Junior, Rafael Bezerra Chiavegatto, Gilberto Eduardo Santos, Allan Cruz de Brito and Eriky Rodrigues</i></p> <p>Green by Design? Investigating the Energy and Carbon Footprint of Chia Network <i>Soraya Djerrab, Clémentine Gritti and Rahima Benzenati</i></p> <p>An IoT E-Nose for Real-Time Olive Oil Quality Monitoring <i>Najla Abou Ghaouche Ahmad, Luísa Maria Garcia Jorge, Clara Bento Vaz and Leandro Herculano da Silva</i></p> <p>Energy Saving Strategy for Electric Vehicles During Car-Following Scenarios <i>Mohmmadsadegh Mokhtari and Mădălin-Dorin Pop</i></p> <p>Green Technology Innovation and Firm-Level Technical Efficiency: A Two-Stage Analysis in the Philippines <i>Ibrahim Niankara</i></p>
<p>Wednesday 3rd December 2025 Bâtiment Thémis, Grounf Floor</p>		
09:00 – 10:30		<p>Keynote Speaker 3: Prof. Ali Kashif Bashir – Manchester Metropolitan University, UK Artificial Intelligence to achieve predictive analysis for the transformation of Industry 4.0</p> <p>Keynote Speaker 4: Prof. Tatiana Georgievna Kalganova– Brunel University, UK Emerging technologies in dynamic Intelligent scheduling & optimization for industrial IoT using sustainable AI</p> <p>Chair: Prof. Elhadj Benkhelifa Bâtiment Thémis, Amphi Thémis 07 ZOOM: https://us06web.zoom.us/j/81681359164?pwd=Y4rF5gTb5NJ7MP3YjAudP471KmcTx8.1</p>
10:30-11:00		Coffee Break: Bâtiment Thémis, Grounf Floor, Room 54
11:00 - 12:30	Session 5	<p>Chair: Prof. Dina Satybaldina Bâtiment Thémis, Grounf Floor, Room 53 ZOOM: https://us06web.zoom.us/j/84933544632?pwd=j68CRna8lw0HO5q4dttTVAFrzLEpCN.1</p> <p>An Edge-Cloud Enabled Machine Learning Framework for Anomaly Detection and Predictive Analysis in Smart City Power Grids <i>Tamara Zhukabayeva, Zulfiqar Ahmad, Dina Satybaldina and Yerik Mardenov</i></p> <p>A Hybrid Ensemble Learning Approach for Intrusion Detection in Internet of Vehicles <i>Shamoon Muhammad, Gulzar Mehmood and Chrysostomos Chrysostomou</i></p> <p>Contextual Anomalous Behavior Detection in IoT Devices from Power Consumption Using LLM <i>Ryusei Eda, Hibiki Nakanishi and Nozomu Togawa</i></p> <p>Edge-based Lightweight AI for Real-Time Intrusion Detection in IoT Networks <i>Mohamed Raid Athamena, Zina Houhamdi and Belkacem Athamena</i></p> <p>Improved Detection and Prevention of Phishing URLs Using Ensemble Machine Learning Techniques <i>Tomiwa Oluwadare and Pantaleon Lutta</i></p> <p>LLM-Based IoT Fuzzing with Format Consistency and Vulnerability-Aware Test Case Generation</p>

		<i>Hibiki Nakanishi, Kento Hasegawa, Seira Hidano, Kazuhide Fukushima, Kazuo Hashimoto and Nozomu Togawa</i>
11:00-12:30	Session 6	<p>Chair: Dr. Meriem Zouzou Bâtiment Thémis, Grounf Floor, Room 55 Zoom: https://us06web.zoom.us/j/86906618898?pwd=G3FX1aaTR9JO6adhhRk09JVvHJHSb.1</p> <p>Privacy-Preserving Federated Learning for Secure Healthcare Data Processing <i>Ateeq Ur Rehman, Sara Shar Faiz Alshehri, Anoud Bani Hani and Sana Maroof.</i></p> <p>Enhancing Patient Privacy with Transaction Pseudonyms for Secure EHR Access <i>Bermad Nabila, Salah Zemmoudj, Lyes Khoukhi and Kamal Singh</i></p> <p>Influence of AI-Based CME Platforms on Brand Engagement and Loyalty of Diabetologists: An Empirical Study -Waseem Shaikh, Sajid Alvi, Zoya Shaikh</p> <p>A Comparative Study of Machine Learning Models for Breast Cancer Diagnosis Using the Wisconsin Diagnostic Dataset <i>Masum Billah, Mohammad Hasan and Abeda Raiyan</i></p> <p>Data-Driven Health Monitoring of Platform Ecosystems: A Systematic Literature Review <i>Shady Hegazy, Muhammad Ammar, Christoph Elsner, Jan Bosch and Helena Holmström Olsson</i></p>
12:30 - 14:00	LUNCH	
14:00 - 17:00	Session 7	<p>Chair: Dr. Sabrine Ennaji Bâtiment Thémis, Grounf Floor, Room 53 ZOOM: https://us06web.zoom.us/j/87033952420?pwd=39HrrLznUTUHqFQAL8VhFYCH8CBKMQ.1</p> <p>A Modular Architecture for Inter-Fog Environments <i>Henrique Buzin, Alysson Oliveira, Mauro Marques and Patricia Della Mèa Plentz</i></p> <p>An IoT Low-Cost Optical Sensor to Detect the Presence of Diluted Drugs in Water <i>Sandra Viciano-Tudela, Iman Valizadeh, Lorena Parra, Sandra Sendra and Jaime Lloret</i></p> <p>Deep Learning Approach for Animal Classification and Detection: Leveraging ResNeXt, MaXViT and K-D Trees for Accurate and Scalable Wildlife Monitoring <i>Kanda Tshinu, Chunling Du, Owolawi Pius Adewale and Antonie Smith</i></p> <p>A Hybrid Mobile System for Indoor Navigation and Product Localization in Supermarkets <i>Leonardo Picinin, Luisa Jorge and Paulo Melo</i></p> <p>Exploring Human-in-the-Loop Integration in the Operation of Digital Twin Applications <i>Johannes Deufel and Sanja Lazarova-Molnar</i></p> <p>Open Source Platforms for Digital Twin Development: Implementation of a Simplified Case Study <i>Alexandre Costa, Luisa Jorge and Paulo Melo</i></p> <p>A Digital Twin Architecture for Real-Time Supervision of an Olive Oil Production Mill <i>Hendrick Scheifer, Luisa Jorge, Flávia Pires and Clara Vaz</i></p> <p>Automation of Decision Support in Simulation-Based Digital Twins in Manufacturing: A Survey <i>Ohad Daniel and Sanja Lazarova-Molnar</i></p> <p>Exploring the Role of Artificial Intelligence in Closed-Loop Supply Chain <i>Shahbaz Khan and Zafar Husain.</i></p>

14:00 - 17:00	Session 8	<p>Chair: Dr. Gulzar Mehmood Bâtiment Thémis, Grounf Floor, Room 55 Zoom: https://us06web.zoom.us/j/85651767813?pwd=ob3F3DWAbTWGSy5ZpbrLN9bP3liiU.1</p> <p>Navigating the New Frontier: Security Vulnerabilities in Social IoT Compared to Conventional IoT</p> <p>Neural Network-Powered Finger-Drawn Biometric Authentication <i>Maan Al Balkhi, Kordian Gontarska, Marko Harasic and Adrian Paschke</i></p> <p>The Protection of The Right To Privacy In Criminal Proceedings Under The EU AI Regulation <i>Suhail Albaloushi, Ibrahim Al Qatawneh, Moustafa Kandeel, Mansour Alnuaimi, Ali Aldarmaki and Saeed Alkalbani</i></p> <p>Generative Adversarial Networks for Facies Prediction in Subsurface Modeling <i>Ajeet Ram Pathak</i></p> <p>Enhancing Security and Performance in Software-Defined Networks Using AI-Driven Automation <i>Suha Alqaruty, Reema Al Qaruty, Khawlah Mitib al-Tkhayneh and Samer Abdel Hadi</i></p> <p>Automated Security Compliance Evaluation Using Hierarchical RAG for IoT Devices with Large-Scale Documentation <i>Yuka Ikegami, Kento Hasegawa, Seira Hidano, Kazuhide Fukushima, Kazuo Hashimoto and Nozomu Togawa</i></p> <p>IoT Smart Door Lock with Wireless Key Sharing for Short Term Multi-Level Building Access <i>Rui Policarpo Duarte, Miguel Pardal and Bernardo Marques</i></p> <p>ANALYSIS OF SECURITY ASSESSMENT METHODOLOGIES FOR WIRELESS IoT NETWORKS USING VULNERABILITY TAXONOMY <i>Tamara Zhukabayeva, Yerik Mardenov, Nurdaulet Karabayev, Zulfiqar Ahmad and Dina Satybalдина</i></p> <p>Scaling and Securing Enterprise Healthcare Networks with Blockchain. <i>Constantine Hinds, Macchelssy Dinganga and Pradeeban Kathiravelu</i></p>
14:00 - 17:00	Session 9	<p>WASAS Project Workshop Bâtiment Thémis, Grounf Floor, Room 54</p> <p>Keynote Talks</p> <ul style="list-style-type: none"> All About Project WASAS by Pierre Gal, Product lead - IoT expert, Witekio IoT Security Trends & Open Challenges by Mohamed-Lamine Messai , Associate Prof, Lyon 2 <p>Project Research Directions</p> <ul style="list-style-type: none"> AI based IoT Intrusion Detection System and Adversarial Attacks, by Sabrine Ennaji, Lyon 1 Formal Methods for IoT Security Verification, By Souheir Merkouche Social Internet of Things, the new IoT trend and its Security Challenges <p>Discussions and Perspectives</p>
19:00- 22:30	Gala Dinner & and Awards	
	<p>BOCUSE, Brasserie Le Nord. 18, Rue Neuve 69002 LYON</p> <p>https://www.maisons-bocuse.com/en/our-brasseries-lyon-paris-annecy/brasserie-le-nord-traditionnal-restaurant-lyon/</p>	

Thursday 4 th December 2025		
09:00-10:30	<p>Keynote Speaker 5: Prof. Giancarlo Guizzardi, University of Twente, The Netherlands Semantic Models for Trustworthy Systems: A Hybrid Intelligence Augmentation Program</p> <p>Keynote Speaker 5: Prof. Angela Bonifati, University Lyon 1, Lyon, France Reasoning over Property Graphs: Leveraging Large Language Models for Automated Data Consistency</p> <p>Chair: Prof. Nadia Kabachi Bâtiment Thémis, Amphi Thémis 07 ZOOM: https://us06web.zoom.us/j/88051663263?pwd=qYXxtt5aU0JomauL0GjU7MbMAWj59r.1</p>	
	Session 10	<p>Chair: Prof Sahel Alouneh Bâtiment Thémis, Grounf Floor, Room 53 ZOOM: https://us06web.zoom.us/j/85327539199?pwd=Z8rAuBvZnE79RwqGTjJexVqH6HaU5y.1</p> <p>Protection Against Cyber Threats by Integrating SIEM Solutions in a Demilitarized Zone: A University Network Environment as a Case Study <i>Abdullah Aldhafari, Mohammed Aldunaifat, Abdullah Al-Nakheai, Shehab Gubari, Sahel Alouneh and Faten F. Kharbat</i></p> <p>Cognitive Security in IoT: A UTAUT-Based Model of Trust, Privacy, and Adoption <i>Shirin Alimour and Dr.Khawlah M. Al-Tkhayneh</i></p> <p>SECUREAM: Advancing Cybersecurity in IoT-enabled Additive Manufacturing <i>Eun-Young Kang</i></p> <p>Efficient Deep Learning for Biometrics: Overview, Challenges and Trends in Ear of Frugal AI <i>Karim Haroun, Aya Manel Zitouni, Aicha Zenakhri, Meriem Amel Guessoum and Larbi Boubchir.</i></p> <p>ABDA-IoB: Affective Behavior-Driven Adaptation for Internet of Behaviors <i>Mina Alipour and Mahyar Turchi Moghaddam</i></p> <p>Detection lane,curve and potholes using YOLOv8 Hajar Ouhmidou, Abdellah Nabou, Moulay Ahmed El Kiram</p> <p>Optimization of Control Plane for Load Balancing in SD-Wi-Fi Networks <i>Belkacem Athamena, Mohamed Raid Athamena and Zina Houhamdi</i></p>
10:30-12:30		<p>Chair: Prof. Nabil Abdennadher Bâtiment Thémis, Grounf Floor, Room 55 ZOOM: https://us06web.zoom.us/j/87222206951?pwd=YWN370RZ5zaob905woq5bPR2dog5Ua.1</p> <p>An application of Neural Network for Human Performance Modelling <i>Keattikorn Samarngoon, Mohammad Hasan, Hongnian Yu and Russell Campion</i></p> <p>The Concept of a Forecasting System for the Sustainable Development of SMEs in Kazakhstan <i>Shara Toibayeva, Irbulat Utepbergenov, Dina Abylkhasanova, Baurzhan Zholdybaev, Fariza Zainolda and Ablay Aldabergenov</i></p> <p>Neuro-Cognitive Entropy in the Age of Hyperconnectivity: AI, Immersive Tech, and the Digital Mind <i>Shirin Alimour, Khawlah M. Al-Takhayneh and Samira Brahmia</i></p> <p>Multimodal Fusion of Sign Language and Emotion for Real-Time Kazakh Sign Language Translation <i>Miras Mussabek, Miras Kabykenov, Beibut Amirgaliyev and Ainur Zhuamdillayeva</i></p>
10:30-12:30	Session 11	

		<p>A Framework for Operationalizing Cooperative Principles in Data Governance <i>Francisco Mendonça, Giovanna Di Marzo Serugendo and Nabil Abdennadher</i></p> <p>Modelling of Enablers of Eco-Innovation for SMEs: An ISM Approach <i>Mohammad Aalam, Md Nahid Akhtar, Zafar Husain, Abid Haleem and Shahbaz Khan</i></p> <p>An Automated Scanner for Detecting Common Web Application Vulnerabilities with a Focus on Enhanced Performance and Security. <i>Anthonia Taiwo and Pantaleon Lutta</i></p>
10:30-12:30		<p>Chair Prof. Haythem Bany Salameh Fully Online Zoom https://us05web.zoom.us/j/87816469195?pwd=Vp7eoGGyFFX5wwx7gsjRuZyBPUcC2.1</p> <p>Innovative Sustainable Technology-Based Education: A Bibliometric Exploration of the Frontiers of Knowledge <i>Najah Al Mohammedi, Hanan Shaher Almarashdi, Jihan Yousef, Baderaddin Yassin, Wafaa El Zaatari and Maha Alhabbash</i></p> <p>Mapping the Landscape of Mathematics Education Research in the Digital Era: A Bibliometric Analysis <i>Hanan Almarashdi, Najah Al Mohammedi, Khaleel Alarabi, Eman Abed, Ibrahim Maqableh and Enas Abulebdeh</i></p> <p>The Impact of Artificial Intelligence on Fresh Graduate Labor Demand: A Theoretical and Empirical Analysis with Industry and Firm Heterogeneity <i>Ibrahim Niankara, Yahya Aljallad, Ons Soussi, Kareem Maghrabi, Madheya Alkhyeli and Sara Alghool</i></p> <p>University Students' Use of Artificial Intelligence Applications in Learning: Patterns, Preferences, and Educational Implications <i>Omran Ahmad Musleh, Mohammad Husien Faqeeh, Moath Kalef Al Omery, Abdelghani Remache and Salem Khalil Al Aqtash</i></p> <p>The Evolution of AI Applications in Educational Assessment Research: A Bibliometric Analysis <i>Hanan Shaher Almarashdi, Enas Abulibdeh, Najah Al Mohammedi, Maha Alhabbash, Saif Alneyadi and Abdulrahman Almekhlaf</i></p> <p>Big Data and IoT Technologies: Prospects and Difficulties for Higher Education P. William, Firas Tayseer Ayasrah, Thipendra P. Singh, D. B. Pardeshi</p> <p>Augmenting Education: How The Metaverse, Ai and Machine Learning Are Transforming Learning Experiences P. William, Firas Tayseer Ayasrah, Thipendra P. Singh, D. B. Pardeshi</p> <p>Evaluating the Efficiency of Three Different Artificial Intelligence Models in Solving Jurisprudential Problems: An Exploratory Study <i>Imad Ibraheem Mostafa, Eman Zaitoun, Abdoulaye Kaba and Amal Saeed Alblooshi.</i></p>
12:30-14:15		lunch

KEYNOTE SPEAKERS

1. **Prof. Azeddine Boukerche, University of Ottawa, Canada**
2. **Dr. Genoveva Vargas-Solar, the French Council of Scientific Research (CNRS)**
3. **Prof. Ali Kashif Bashir, Manchester Metropolitan University, UK**
4. **Prof. Tatiana Kalganova, University of Brunel, UK**
5. **Prof. Giancarlo Guizzardi, University of Twente, Netherlands**
6. **Prof. Angela Bonifati, University Lyon 1, France**













WASAS Project

3rd Workshop: IoT Security



In conjunction with the 12th IOTSMS 2025 International Conference



Mohammed Lamine MESSAI
University of Lyon 2



Pierre GAL
Business Partner Lead,
Witekio



Pr. Nadia KABACHI
Academic Lead
University of Lyon 1 / Lyon 2



Pr. El Hadj BENKHELIFA
Academic Partner,
Staffordshire University

Workshop Program

- All About WASAS project - BPI France Funded Project, **By P. GAL**
- Securing IoT Networks: All is in the Keys, **By M. L. Messai**
- AI Based Intrusion Detection Systems and Adversarial Attacks, **By S. Ennaji**
- Formal Methods for IoT Security Verification, **By S. Merkouche**
- Social IoT, the new IoT tren & its Security Challenges **By O. Dellal**
- Open Discussions and Perspectives

🕒 **When?** December 3rd, 14:00–17:00

📍 **Where?** Université Lyon 1, Campus La Doua, Themis Building, Ground Floor, Room 53

