

TECHANICAL PROGRAMME

	09/12/2024			10/12/2024			11/12/2024			
08:30 - 17:00	Onsite -registration			Onsite - registration			ONLINE			
9:15-9:30				Keynote 2: Prof. Nabil Abdennadher Towards a decentralised Federated Learning based edge-to-edge Continuum Computing framework.			Session 13 SNAMS (ONLINE) Session 14 GCET (ONLINE)			
9:30-10:00	Opening & Welcome									
10:00-11:00	Keynote 1: Prof. Francesco Falcone: Wireless Systems for Communication and Sensing in Cognitive Cities			Keynote 3: Professor Timothy Jung AI-powered XR: Redefining the Future of Software-Defined Systems			Session 15 GCET (ONLINE) Session 16 SNAMS (ONLINE)			
11:00-11:20	Coffee Break			Coffee Break						
11:20: - 13:00	Session 1 -- GCET	Session 2 -- SNAMS	Session 3 SDS (ONLINE)	Session 7 GCET	Session 8 SNAMS	Session 9 SDS (ONLINE)	Conference Closing			
13:00-14:00	Lunch			lunch						
14:00: 16:00	Session 4 SNAMS	Session 5 SDS	Session 6 GCET (ONLINE)	Session 10 GCET	Session 11 SDS	Session 12 SNAMS (ONLINE)	Session 17 GCET (ONLINE) Session 15 GCET (ONLINE)			
16:00-17:00	Coffee Break & Networking			Coffee Break & networking						
				Gala Dinner and Awards - 19:30: to 22:30						

Monday 9 th December 2024		
08:00 - 17:00	Onsite registration	
09:30-10:00	Opening & Welcome	
10:00 – 10:45	<p align="center">Keynote Speaker: Prof. Francesco Falcone: Wireless Systems for Communication and Sensing in Cognitive Cities Chair: Sandra Sendra</p>	
10:45-11:15	Coffee break	
11:15 - 13:00	Session 1	<p>Chair: Sandra Sendra</p> <ul style="list-style-type: none"> 7432: Disturbance-Storm Time Index Forecasting: A Comparative Analysis of Time Distributed CNN and Bi-LSTM Models in Geomagnetic Storm Prediction 6825 Edge-based IoT Image Processing System for Detecting Changes in Leaves 3187: The Relevance of Cyber Diplomacy to Arguments about National Cyber Power 9404: Blockchain-AI Integration for Resilient Real-time Cyber Security Artificial Intelligence and Machine Learning 1753: Refining and generalising ethical guidelines for digital Extended Reality (XR) and Artificial Intelligence (AI): a participatory approach including experts' and publics' views
		<p>Chair: Elhadj Benkhelifa</p> <ul style="list-style-type: none"> 0750: Modeling the influence of social networks on Crowdfunding projects 3121: Social Media Bot Policies: Evaluating Passive and Active Enforcement 6226: An Interpretable Fine-Tuned BERT Approach for Phishing URLs Detection: A Superior Alternative to Feature Engineering 6325: A Pipeline for the Analysis of User Interactions in YouTube Comments: a Hybridization of LLMs and Rule-based Methods 7698: Exposure and Adoption of Social Dimensions During the Ukraine War
11:15 - 13:00	Session 2	<p>Chair: Tamara Zhukabayeva: --</p> <ul style="list-style-type: none"> 1851: ANALYZING AUTOMATIC CODE GENERATION FOR LEARNING MODELS IN GENERATIVE AI 3869: Balancing Usability and Protection in AI and Data Security: A Human-Centric Approach 0532: A Novel Model for Digital Twins in Mental Health: The Biopsychosocial AI-Driven Digital Twin (BADT) Framework 1694: Mitigating Security Vulnerabilities in Offline USSD Payments in non-Smartphones 3878: Integrating Digital Twins in Supply Chain Management Education 2951: Architecting a SDS for Microservices-based Distributed Edge Computing Systems 4361: A Robust Federated Deep Learning-Based Framework to Mitigate Routing Attacks in Flying Ad Hoc Networks
		<p>Chair: Tamara Zhukabayeva: --</p> <ul style="list-style-type: none"> 1851: ANALYZING AUTOMATIC CODE GENERATION FOR LEARNING MODELS IN GENERATIVE AI 3869: Balancing Usability and Protection in AI and Data Security: A Human-Centric Approach 0532: A Novel Model for Digital Twins in Mental Health: The Biopsychosocial AI-Driven Digital Twin (BADT) Framework 1694: Mitigating Security Vulnerabilities in Offline USSD Payments in non-Smartphones 3878: Integrating Digital Twins in Supply Chain Management Education 2951: Architecting a SDS for Microservices-based Distributed Edge Computing Systems 4361: A Robust Federated Deep Learning-Based Framework to Mitigate Routing Attacks in Flying Ad Hoc Networks
13:00 - 14:00	LUNCH (Onsite)	
14:00 - 16:00	Session 4	<p>Chair: Abdelkader Berrouachedi</p> <ul style="list-style-type: none"> 6944: A Novel Approach to Person-Job Fit Using Outlier Detection 9409: Towards Supporting Penetration Testing Education with Large Language Models: an Evaluation and Comparison 1634: Promoting security and trust on social networks: Explainable cyberbullying detection using Large Language Models in a stream-based Machine Learning framework 0070: The Limits of Influence Maximisation in Online Social Networks
		<p>Chair: Jaime Lloret</p> <ul style="list-style-type: none"> 1410 Unsupervised DDoS Detection Using Entropy Features and f-AnoGAN in SDN 6891: Towards a Real Vehicular Data Cloud 9962: Security Authentication on the Edge: A Step Further to Defense in Depth for IoBT 6351: Towards a Resilient Multi-Agent Controller: Securing and Mitigating Overhead in Tactical SDN 9896: Resilient Software Defined Satellite Networks: Combining Clustering Techniques with Efficient Routing Protocols 8641: Towards a Metamorphic Testing Architecture for Software-Defined Drone Systems.
14:00 - 16:00	Session 5	<p>Chair: Jaime Lloret</p> <ul style="list-style-type: none"> 1410 Unsupervised DDoS Detection Using Entropy Features and f-AnoGAN in SDN 6891: Towards a Real Vehicular Data Cloud 9962: Security Authentication on the Edge: A Step Further to Defense in Depth for IoBT 6351: Towards a Resilient Multi-Agent Controller: Securing and Mitigating Overhead in Tactical SDN 9896: Resilient Software Defined Satellite Networks: Combining Clustering Techniques with Efficient Routing Protocols 8641: Towards a Metamorphic Testing Architecture for Software-Defined Drone Systems.

14:00 - 16:00	Session 6 (Online)	Chair: Susana Cláudia Nicola de Araújo
		<ul style="list-style-type: none"> 7467 Challenges in Logistics within the Medical 4.0 Environment: A DEMETAL Approach 8947 Energy-Efficient Prediction of Hourly Energy Consumption in Fog/Edge Computing Using Optimized Artificial Neural Networks 4045 Exploring the Impact of Robotic Process Automation and Artificial Intelligence Technologies on the Auditing Profession 3755 Multi-criteria based virtual SaaS Selection in Cloud Environment 6828 An Enhanced Toponymic Distance for Semantic Analysis in Geographic Information Network 6355 AI Governance: A General Perspective 0328: Training needs assessment for the design of healthcare digital transformation courses in EU
16:00-17:00	Coffee break & Networking	
Tuesday 10th December 2024		
09:15 – 10:00	Keynote Speaker 2: Prof. Nabil Abdennadher Towards a decentralised Federated Learning based edge-to-edge Continuum Computing framework. Chair: Jaime Lloret	
10:00-10:45	Keynote Speaker 3: Professor Timothy Jung AI-powered XR: Redefining the Future of Software-Defined Systems Chair: Elhadj Benkhelifa	
10:45-11:05	Coffee Break	
11:05 - 13:00	Session 7	Chair: Sandra Sendra
		<ul style="list-style-type: none"> 1869: A Smart Train Seat Recommendation Mobile Platform based on Personal Interests and Social Preferences using Data Science and Artificial Intelligence 0287: Insight generation and complex datasets analysis with LLMs in AdTech 4460: An OLAP Internal/External Cube Recommendation Approach based on Artificial Intelligence Techniques 3233: Arabic fake news detection using CNN and fuzzy logic Artificial Intelligence and Machine Learning 1308 Multi-Objective Reinforcement Learning for QoS-Aware Optimization of Multi-Cloud IoT Service Selection
11:05-13:00	Session 8	Chair: Elhadj Benkhelifa
		<ul style="list-style-type: none"> 0454: Mapping Twitter Activity in the 2019 Ukrainian Political Landscape 7636: Real-time personalized detection of cyberbullying and online harassment in social networks using Jetson Nano 9383: Applying Social Networks to Snowball Sampling of a 'Hard-to-Reach' Population and to Illustrate Qualitative Findings 9115: Artificial Intelligence in Mental Health Care: The T5 Chatbot Project 9826: Disentangling Disparate Communication Streams and Recovering Underlying Structure 5450: Understanding Trust in Authentication Methods for Icelandic Digital Public Services
11:05-13:00	Session 9 (ONLINE)	Chair: Haythem Bany Salameh
		<ul style="list-style-type: none"> 5849: Enhancing Domain Name System Security: An Approach Inspired by RAID Technology 3318: Optimizing Microservices Architecture: A Comprehensive Study on Resolving Complexity in Billing Systems 6390: A Decision Tree-based Spectrum Sensing Approach in IoT-based Software-Defined Networks 7107: A Review on the Overall Performance of SDN Controllers 8443: An Optimized SDN Framework for the Internet of Things 0840: A discovery portal for smart health-related data exploration and management based on a hybrid Service-and-Data-Oriented Architecture 5475: Navigating the Newscape: Long Short-Term Memory Models for Misinformation Detection
13:00 - 14:00	LUNCH (ONSITE)	

14:00 - 16:00	Session 10	<p>Chair: Abdelkader Berrouachdi</p> <ul style="list-style-type: none"> • 2472: Optimal Portfolio and Trading Strategy Using Machine Learning techniques • 5378: Quantitative Review of Conversational Agents in E-Health Using NLP and AI • 6385: An Integrated Edge Computing Framework for Enhancing Cyber-Physical System Security through Network Traffic Anomaly Detection in Industrial IoT • 4216: Formal Analysis of E-Payment System based on 3-D Secure in Social Payment Environment • 8407: Penetration Testing-Aware IDS for Wireless Networks in Urban Digital Ecosystems Integrated with Edge Computing and Machine Learning
14:00 - 16:00	Session 11	<p>Chair: Jaime Lloret</p> <ul style="list-style-type: none"> • 6795: Software-defined Support for the Execution of Task-graph-based Applications on Cloud Environments • 2458: Integrating AEAD Ciphers into Software-Defined-Storage Systems • 0873: Toward Automating Cooja Experiment Workflows for Dataset Generation • 4935: Holon Programming Model: A Software-Defined Approach for System of Systems • 1103 Explainable AI Feature Selection in Generative Adversarial Networks System aiming to detect DDoS Attacks
14:00 - 16:20	Session 12 (ONLINE)	<p>Chair: Leonidas Boutsikaris</p> <ul style="list-style-type: none"> • 5008: Bridging the Gap: Enhancing Entrepreneurship Education in Jordanian Universities • 2901: A Personalised Adaptive Intervention Framework to Tackle Misinformation and Disinformation on Social Media • 3522: AI-Based Working Memory Training to Reduce Reading Disabilities in Primary Students • 4771: Beyond Binary Opinions: A Multidimensional Approach for Quantifying Opinion Diversity in Communities • 2452: LEARNING BASED ON GENERATIVE AI WITH IMAGE SYNTHESIS AND DATA AUGMENTATION TECHNIQUES • 2774: Postgraduate Students' Perceptions of the Benefits and Challenges of Utilizing Artificial Intelligence to Promote Academic Success • 7195: Privacy and Data Protection on Social Network Sites as Driver of Social Integration
16:00 - 16:45	Coffee break/Networking	
19:30- 22:30	Gala Dinner & and Awards	
Wednesday 11th December 2024 (ONLINE)		
09:00- 11:00	Session 13 (ONLINE)	<p>Chair: Payiri Gregoire Wenceslas ZOMBRE https://us06web.zoom.us/j/81549826186?pwd=wOluWgmwRTtzDhux18C8fMbTbV8tsP.1</p> <ul style="list-style-type: none"> • 9987: Cross-analysis of opinions on social media in the context of high security challenge • 6655 Social Media Use in Journalism and Education Mediated by Personal Integrative Needs • 9870: Enhancing Selective Attention of Students with Learning Disabilities Through an AI-Based Strategy • 6023: Generational Responses to Athlete Activism: The Role of Digital Identity and Consumer Purchase Intent • 9688: Education Students' Attitudes Towards Social Media Networks • 3847 Leveraging Sentiment and Emotion Analysis to Enhance Cyberbullying Detection • 6557: A Systematic Literature Review of Security and Privacy Solutions for the Metaverse

09:00-11:00	Session 14 (ONLINE)	<p>Chair: Majed ElSaleh Join the meeting now</p> <ul style="list-style-type: none"> • 0991 A Systematic Review of the Transformative Role of Virtual Reality in Physics Education • 2170 An Insight into Uses, Benefits and Challenges of Integrating AI in Early Childhood Education • 8683: A WYSIWYG Document Editor to Solve the Issue of Writing Documents with Math Elements and Avoid the Steep Learning Curve of a Plain LaTeX Editor • 3336 The Influence of Participatory Video in Enhancing Arabic Speaking Skills: A Case Study of Students in the United Arab Emirates • 8638 The impact of utilizing the SKLZ Cam application for real-time feedback on the speed at beginners in judo Ukemi techniques • 9276 Teachers' Perspective on the Role of the Internet of Things (IoT) in Education • 6985 Exploring the Students' Perceptions of the Effectiveness of Using E-Learning Platforms on Learning Programming Languages (LPL) Related to Student Attitude, Performance, and Satisfaction During and Post-Covid-19 Global Crisis
11:00 - 13:00	Session 15 (ONLINE)	<p>Chair: Mohamed Heydari Join the meeting now</p> <ul style="list-style-type: none"> • 0417 Designing Novel Trust Models: Merging Psychological Insights with Machine Learning to Enhance AI User Trust • 7148 ENHANCING METAVERSE CYBERSECURITY WITH FEDERATED LEARNING • 8899: Evaluating Large Language Models Versus Traditional Tools in SQL Injection Exploit Generation • 2200 Enhancing Business Performance Through Data-Driven Digital Marketing and Big Data Capabilities • 4178 Perceptions on Digital Transformation: Leadership Position versus Organizational Size • 0761: Evaluating Large Language Models Versus Traditional Tools in OS Command Injection Exploit Generation • 6655: Analysis of Industry 4.0 adoption challenges in medium size brewery from engineering complex systems perspective
11:00 - 13:00	Session 16 (ONLINE)	<p>Chair: Haythem Bany Salameh Join the meeting now</p> <ul style="list-style-type: none"> • 8150: The Status of Individual and Group Identities in Networked Societies • 6901 Optimizing Transfer Learning Techniques for Sentiment Polarity Detection in Retail Reviews • 5112: A Critical Review of Digital Marketing for Organization: Challenges and Opportunities • 5925: Multilingual Hate Speech Detection Using Transformer-Based Deep Learning Approaches • 4390: Using Digital Surveillance to Improve PR Strategies: Strengthening Trust, Media Relations, and Crisis Communication in the UAE • 2426: A Novel Reinforcement Learning Model for Post-Incident Malware Investigations • 2472: Optimal Portfolio and Trading Strategy Using Machine Learning techniques
13:00-14:00	Break	
14:00-16:00	Session 17 Online	<p>Chair: Haroon Mahmood Join the meeting now</p> <ul style="list-style-type: none"> • 1217 Quantum Computing and Password Security: Applying Grover's Algorithm and QRNG with Qiskit7 • 2639 Optimized Charging Station Deployment for Enhanced Detection Efficiency in RL-based UAV Target Tracking Systems • 9439 Influence of infill density on the mechanical behaviour of additively manufactured thermoplastic polyurethane • 5852 On The Minsum Decoding Algorithm For The 5G NR LDPC Codes • 6255 Integrating Flying Taxis: Dubai's Pioneering Efforts • 6797 Optimized Coverage of Urban Territory for Traffic Surveillance using Multiple UAVs • 1775: A Machine Learning-assisted Game Theoretical Service Selection Strategy in UAV Networks

14:00-16:00	Session 18 Online	<p>Chair: Khalaf Tahat</p> <p>Join the meeting now</p> <ul style="list-style-type: none"> • 5751 IT Readiness and Blockchain Analytics as Mediators in the Relationship between Business Intelligence and Market Performance of SMEs in the UAE • 8166: Real-Time Sign Language to Speech Recognition System for BSL • 6666 THE IMPACT OF AI ON ACCOUNTING TECHNOLOGY ADOPTION THE MEDIATE ROLE OF BUSINESS PERFORMANCE • 7609 Leveraging K-Means Clustering for Analysis of Arabic Hate Speech Tweets • 8162: Mindful Eating and Impact of Physical Activity on Weight Management using Mobile Application • 5162 A Strategic Localisation Model for India • 6048: Preventing Facebook from Being Used for Defamation, Doxing, Impersonation, Threats of Violence, and Intimate Images
		Conference ENDS

KEYNOTE SPEAKERS

1. Prof. Francisco Falcone, Universidad Publica de Navarra, UPNA, Spain
2. Prof. Nabil Abdennadher, University of Applied Sciences, Western Switzerland
3. Prof. Timothy Jung, Manchester Metropolitan University, UK -



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