

WISE 2025 Program

The 26th International Conference on Web Information Systems Engineering

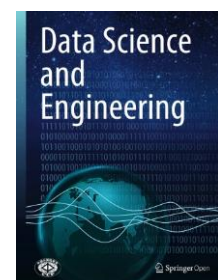
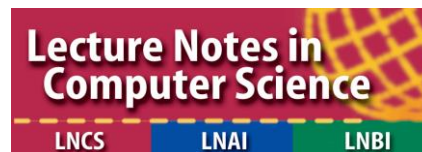
WISE 2025 Workshops

The 7th International Symposium on Advanced Web and Mobile Applications (AWMA 2025)

The 1st International Workshop on LLM-Driven Agents (LLMA 2025)

The WISE 2025 PhD Symposium

With Support:



University
Mohammed VI
Polytechnic

General Information

- The conferences will be held onsite in Marrakech as well as online via the videoconferences service, [Zoom](#).
- The onsite sessions will be held at the conference venue:

Palm Plaza Hotel & Spa, Marrakech

- The online sessions will be held via Zoom. The following information is applicable to presentation via Zoom.
 - Authenticated access will be given to participants who registered for the conferences. Participants are requested to get familiarize themselves with the Zoom.
 - Paper presentations will be given in a live online format at the scheduled times, via Zoom. Check the conference program for date/time of paper presentation.
 - Each paper will have around 15-20 minutes for presentation, followed by Q/A.
 - The online delivery mode of presentations will be in a live format via Zoom
- Link to [**Marrakech Time Zone**](#)

KEYNOTE I

From Storytelling to Digital Story Experiencing

Prof. Yannis Ioannidis
President of the ACM
University of Athens
Greece

Summary:

As the modern extension of the ancient practice of storytelling, (interactive) digital storytelling relies on the use of multimedia assets to convey different types of stories. It has been used broadly as a term to cover a range of digital narratives from web-based stories to hypertexts, narrative computer games and even filmmaking. As a characteristic example, digital storytelling, or more generally story experiencing, has been established as an effective means of promoting visitor engagement in cultural sites, with significant potential to promote reflection and meaning making. This talk will present different approaches for story-centric experience design, focusing also on the role of agency, sociality, and personalization when combined with an interactive digital narrative. The application of interactive digital storytelling in different contexts and with a variety of technological solutions, from mobile-based or web technologies to desktop or immersive VR, has produced valuable insight as to the most effective use of novel technologies to engineer engagement.

Biography:

Yannis Ioannidis is the President of the Association of Computing Machinery (ACM). He is a Professor at the Department of Informatics and Telecom of the University of Athens as well as an Associated Faculty at the “Athena” Research and Innovation Center, where he also served as the President and General Director for 10 years. His research interests include Database and Information Systems, Data Science, Data Infrastructures and Digital Repositories, Recommender Systems and Personalization, and Interactive Digital Storytelling, topics on which he has published over 180 articles in leading journals and conferences and holds four patents. His work is often inspired by and applied to data management and analysis problems that arise in industrial environments or in the context of other scientific fields (Social Sciences and Humanities, Life Sciences, Physical Sciences) and the Arts. He is an ACM and IEEE Fellow, a member of Academia Europaea, and a recipient of several research, teaching, and service awards. He is a co-founder of OpenAIRE, the international data infrastructure for Open Science in Europe, the technology director of the EBRAINS European Research Infrastructure on neuroscience, the coordinator of the implementation of the EU Node of the European Open Science Cloud, as well as of several AI/data-driven spin-offs. He is also a co-chair of the Global Climate Hub of the UN Sustainable Development Solutions Network.

KEYNOTE II

Autonomous Machine Learning for Decision Support in Complex Environments

Prof. Jie Lu AO

Director of Australian Artificial Intelligence Institute

University of Technology Sydney

Australia

Summary

The talk will present how machine learning can innovatively and effectively learn from data to support data-driven decision-making in uncertain and dynamic situations. A set of new autonomous transfer learning theories, methodologies and algorithms will be presented that can transfer knowledge learnt in more source domains to a target domain by building latent space, mapping functions and self-training to overcome tremendous uncertainties in data, learning processes and decision outputs. Another set of autonomous concept drift theories, methodologies and algorithms will be discussed about how to handle ever-changing dynamic data stream environments with unpredictable stream pattern drifts by effectively and accurately detecting concept drift in an explanatory way, indicating when, where and how concept drift occurs and reacting accordingly. These new developments enable advanced machine learning and therefore enhance data-driven prediction and decision support systems in uncertain and dynamic real-world environments.

Biography

Distinguished Professor Jie Lu is a world-renowned scientist in the field of computational intelligence, primarily known for her work in fuzzy transfer learning, concept drift, recommender systems, and decision support systems. She is an IEEE Fellow, IFSA Fellow, Australian Computer Society Fellow, and Australian Laureate Fellow. Professor Lu is the Director of the Australian Artificial Intelligence Institute (AII) at University of Technology Sydney (UTS), Australia. She has published six research books and over 500 papers in leading journals and conferences; won 10 Australian Research Council (ARC) Discovery Projects and over 20 industry projects as leading chief investigator; and has supervised over 50 PhD students to completion. Prof Lu serves as Editor-In-Chief for Knowledge-Based Systems and International Journal of Computational Intelligence Systems. She is a recognized keynote speaker, delivering over 40 keynote speeches at international conferences. She is the recipient of two IEEE Transactions on Fuzzy Systems Outstanding Paper Awards (2019 and 2022), NeurIPS Outstanding Paper Award (2022), Australasian Artificial Intelligence Distinguished Research Contribution Award (2022), Australian NSW Premier's Prize on Excellence in Engineering or Information & Communication Technology (2023) and the Officer of the Order of Australia (AO) in the Australia Day 2023.

KEYNOTE III

On Efficient Inference for Edge AI

Prof. Mounir GHOGHO

UM6P: University Mohammed VI Polytechnic

Morocco

Summary

As artificial intelligence systems increasingly migrate from centralized cloud infrastructures to distributed edge devices, the question of efficiency in computation, communication, and energy has become central to their viability. This talk examines recent advances in efficient and adaptive inference, the art and science of enabling complex models to operate under real-world constraints. I will discuss how techniques in model compression, adaptive computation, and hardware–algorithm co-design are reshaping the boundaries between intelligence and computation. Beyond specific methods, adaptive inference invites a broader reflection on how we balance accuracy, complexity, and autonomy when intelligence must coexist with scarcity. The edge, I will argue, is not merely a deployment context but a place where AI must learn to adapt and think frugally.

Biography

Mounir Ghogho received his PhD in Signal Processing from the National Polytechnic Institute of Toulouse, France, in 1997. He was a Research Fellow at the University of Strathclyde (Scotland) before joining the University of Leeds (England), where he became Full Professor and Head of the Signal Processing and Communications Group in 2008. In 2010, he joined the International University of Rabat as Founding Director of TICLab and Dean of the College of Doctoral Studies, while maintaining an affiliation with the university of Leeds. In March 2025, he joined the College of Computing at UM6P. His research focuses on machine learning and statistical signal processing, with applications in wireless communications, robotics, cybersecurity, and healthcare. He has published over 400 papers, supervised more than 50 PhD students, and led over 20 research projects funded by institutions such as the US Army Research Lab, EU Commission, NATO, USAID, IBM, Google, and The Academy Hassan II for Sciences and Techniques. He received the Royal Academy of Engineering Research Fellowship in 2000 and the IBM Faculty Award in 2013. He was elevated to IEEE Fellow in 2018, AAIA Fellow in 2021, and The World Academy of Sciences (TWAS) Fellow in 2024. He has served on editorial boards of leading journals, including IEEE Transactions on Signal Processing and IEEE Signal Processing Magazine, and is currently Subject Editor for Elsevier’s Signal Processing. He served as General Chair of several conference including IEEE SPAWC 2010 and EUSIPCO 2013.

MONDAY, 15 DEC 2025

09:00-09:30	Opening Session
	Conference Opening Ceremony
Room	Room 1

09:30-10:30	Plenary Session: Keynote 1
	From Storytelling to Digital Story Experiencing <i>Yannis Ioannidis, University of Athens, Greece</i>
Session Chair	Yanchun Zhang, Zhejiang Normal University, China
Room	Room 1

10:30-11:00	Coffee Break
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11:00-12:30	WISE Session 1: AI and Machine Learning
Session Chair	Youssef Iraqi, UM6P, Morocco
Room	Room 1
<p>Towards Cost-Effective Model Update in Online Feature-Incremental Learning <i>Zirui Tan, Hechuan Wen, Shazia Sadiq and Tong Chen</i></p> <p>Ilargi: a GPU Compatible Factorized ML Model Training Framework <i>Wenbo Sun and Rihan Hai</i></p> <p>Multi-Armed Bandit-Based Client Selection for Efficient Federated Learning <i>Dewei Ning, Yongfeng Ge and Hua Wang</i></p> <p>Hybrid Adaptive Resonance Theory Model for Online Noisy Data Classification <i>Michael Shi, Jiao Yin, Chee Peng Lim, Jinli Cao and Hua Wang</i></p>	

MONDAY, 15 DEC 2025

11:00-12:30	WISE Session 2: Recommender Systems I
Session Chair	Richard Chbeir, Pau University, France
Room	Room2
<p>Intra-Domain Preference Modeling with Cross-Domain Dependency Alignment for Cross-Domain Sequential Recommendation <i>Tianyu Xiao, Jiwei Qin, Jie Ma, Qiangsheng Feng, Shishen Li and Ziyang Li</i></p> <p>CLARE : A Category-Aware RAG-Based Framework for Recommending Learning Objects in Education and Professional Training <i>Ichrak Ennaceur, Haytham Elghazel, Alexandre Aussem, Guillaume Lefebvre and Matthieu Sonnati</i></p> <p>Recommending the Right Recommender System Software: A Practical Guide <i>Ayoub Akhadam, Oumayma Kbibchi, Loubna Mekouar, Youssef Iraqi, Bassma Guermah and Mohammed Boulmalf</i></p> <p>Causal Insights for Debiasing Recommender Systems: Future Directions and Challenges <i>Hui Wang, Xi Zhou, Mingming Li, Hongyue Zhang, Jiao Dai, Jizhong Han and Tao Guo</i></p>	

11:00-12:30	AWMA Session 1: Data Classification
Session Chair	Hua Wang, Victoria University, Australia
Room	Room 3
<p>Feature-Agnostic Multi-Class Edge Classification in Heterogeneous Temporal Graph Attention Networks <i>Owen Clinton, Ulysses Lin, Wan D. Bae, Shayma Alkobaisi and Sada Narayanappa</i></p> <p>The Effects of Technology Shocks on Knowledge Dynamics: Evidence from GitHub <i>Alexey Rusakov and Jonathan Jensen</i></p> <p>A Quantum-Enhanced CNN Architecture for Medical Image Classification: Application to Brain Tumor Detection <i>Alaaeddinne Benhmida, Houneida Sakly and Naoufel Kraiem</i></p>	

12:30-13:30	Lunch Break
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MONDAY, 15 DEC 2025

13:30-15:00	Plenary Session: Keynote 2
	Autonomous Machine Learning for Decision Support in Complex Environments <i>Jie Lu AO, University of Technology Sydney, Australia</i>
Session Chair	Youssef Iraqi, UM6P, Morocco
Room	Room 1

15:00-15:30	Coffee Break
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15:30-17:00	WISE Session 3: Web Applications and Services
Session Chair	Michael Shi, Victoria University, Australia
Room	Room 1

Collaborative Multi-Agent Anomaly Detection in Web Services using Machine Learning and Semantic Reasoning
Sihem Tlili and Mohamed Rahal

A Web-based Fauna Taxonomic Rank Identification Application
Qianqian Zhang, Khandakar Ahmed, Muhammad Khan and Hua Wang

Evidence Retrieval for Chinese Tabular Data in the Web Based on Dense Passage Retriever
Xianyu Zha, Peng Yang, Xi Lin and Zhenqi Wang

A Multi-Layered Approach for Proactive Counterfeit Detection and Autonomous Decision-Making in Pharmaceutical Supply Chains
Abir Ghannem, Hajer Nabli, Raoudha Ben Jemaa and Layth Sliman

MONDAY, 15 DEC 2025

15:30-17:00	WISE Session 4: Security and Privacy
Session Chair	Qian Zhou, Nanjing University of Posts and Telecommunications
Room	Room2
<p>Verifying security requirements of fog services communication with Event-B <i>Samia Ben Ismail, Abbassi Imed, Aloui Marwa, Zied Jaoua, Mohamed Graiet</i></p> <p>Convergence and Variability Assessment and Analysis of QGANs and GANs for Advanced Cybersecurity Applications: An Empirical Study <i>Md Abdur Rahman, Alfredo Cuzzocrea and Hossain Shahriar</i></p> <p>MOMA-DPK: A Multi-Objective Memetic Algorithm for Privacy-Utility Trade-Offs in Differentially Private K-means Clustering <i>Samsad Jahan, Wei Hong, Yongfeng Ge, Hua Wang and Enamul Kabir</i></p> <p>FP-BSS: Full Privacy Blockchain-Based Self-Tallying Score Voting Protocol <i>Zongrui Tang, Xiaomei Dong, Wenpeng Chen, Hanyu Mao, Shuai Hao, Zeshun Peng, Xiaohua Li and Ge Yu</i></p>	

15:30-17:00	AWMA Session 2: AI and Multi-Agents
Session Chair	Dewei Ning, Victoria University, Australia
Room	Room 3
<p>Clustering-Aided Framework Assessment of Requirement Engineering Approaches Applied to Software Product Lines <i>Naoufel Kraiem, Houneida Sakly and Ramzi Guetari</i></p> <p>AI-Driven Performance Anomaly Localization in Software Evolution: Leveraging LLMs for Automated Code Health <i>Praveen Kumar Sayani</i></p> <p>Anomaly Detection Based on Quantum Support Vector Machines: A Comparative Study with Classical SVM <i>Abdallah Ahmed Wajdi, Houneida Sakly and Naoufel Kraiem</i></p> <p>Transforming Churn Predictions into Personalized Retention Strategies with Multi-Agent Systems <i>Maryam Shahabikargar, Amin Beheshti, Saleh Afzoon and Jin Foo</i></p>	

19:00-21:00	Conference Dinner
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Tuesday, 16 DEC 2025

09:30-10:30	Plenary Session: Keynote 3
	On Efficient Inference for Edge AI <i>Mounir GHOGHO, University Mohammed VI Polytechnic (UM6P), Morocco</i>
Session Chair	Loubna Mekouar, UM6P, Morocco
Room	Room 1

10:30-11:00	Coffee Break
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11:00-12:30	WISE Session 5: Large Language Models I
Session Chair	Michael Shi, Victoria University, Australia
Room	Room 1

FORA: An Efficient One-for-All Cross-Task Reasoning Framework for Financial Domain via LLMs
Zhichao Duan, Tengyu Pan, Zhenyu Li, Bowen Dong, Xiuxing Li and Jianyong Wang

A Comparative Study of ASRs, LLMs, and Few-Shot Learning for Emotion Recognition in Tunisian Dialect
Latifa Iben Nasr, Ismail Badache, Abir Masmoudi and Lamia Hadrich Belguith

CMANet:Sarcasm Detection with LLMs and Cross-Modal Adaptive Attention Networks
Nan Zhao, Degang Sun, Chen Meng, Ni Li and Haitian Yang

Small Scale, Strategic Advantage: Enhancing LLMs with Domain Knowledge Graph for StarCraft II
Peixin Zhou, Penglin Ge and Xin Wang

Tuesday, 16 DEC 2025

11:00-12:30	WISE Session 6: Deep Learning and Networks
Session Chair	Richard Chbeir, Pau University, France
Room	Room 2
<p>Interpretable Tree-Structured Deep Learning Model for Extracting Cognitive Pathways from Social Media <i>Hanfei Liu, Yijing Yu, Meng Jiang, Qing Zhao, Jianqiang Li, Hongzhi Qi, Wei Zhai, Bing Xiang Yang, Xiaoqin Wang and Guanghui Fu</i></p> <p>Adaptive Online Index Selection with a Noisy Dueling Deep Q-Network <i>Md Rakibul Hasan, Xiaoying Wu and Dimitri Theodoratos</i></p> <p>An Advanced-PER based Deep Reinforcement Learning Method for Adversarial Maritime Mission Planning <i>Mingqiang Li, Cong Wang, Yuewei Wang, Xiaopan Zhang, Xiaohui Huang, Binhao Li, Jianxin Li and Yunliang Chen</i></p> <p>Deep Cross Networks for Intelligent Prostate Cancer Risk Prediction <i>Hanshi Xu, Guangquan Zhang, Hua Lin, Mark Grosser and Jie Lu</i></p>	

11:00-12:30	LLMA Session: LLM-Driven Agents
Session Chair	Marwa Boulakbech, LIS, Aix-Marseille University, France
Room	Room 3
<p>MINeKG-Rec: A Multi-Intent Enhanced Knowledge Graph-Based Recommendation Framework <i>Youxuan Li, Zixin Fan, Lina Chen and Xiaodan Xu,</i></p> <p>Complex scene generation for consumer-level platforms: A text-to-image system with RAG optimization <i>Wei Wang, Yuhang Li, Jiawei Chen and Chunxiao Xing,</i></p> <p>The Framework for Text-to- Optimization with Vector Similarity and Prompt Enhancement <i>Siyuan Hao, Yuyang Zhang and Qing Wang,</i></p> <p>Can LLMs function as Rational Agents in Bargaining Scenarios? <i>Armaan Khetarpaul</i></p>	

12:30-13:30	Lunch Break
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Tuesday, 16 DEC 2025

13:30-15:00	WISE Session 7: Knowledge Graphs I
Session Chair	Sanjay Madria, Missouri University of Science and Technology, USA
Room	Room 1
<p>Graph Reachability Queries: Empirical Evaluation and Practical Guidelines <i>Huangshuai He, Zhengyi Yang, Dong Wen, Wenke Yang and John Shepherd</i></p> <p>Context-Aware Hybrid Neuro-Symbolic Approach for Knowledge Graph Enrichment <i>Marwa Boulakbech and Rouaa Wannous</i></p> <p>stvd-kg: A Knowledge Graph for French Electronical Program Guides <i>Hoang Giang Vu, Nathalie Friburger, Arnaud Soulet and Mathieu Delalandre</i></p> <p>DO-RAG: A Domain-Specific QA Framework Using Knowledge Graph-Enhanced Retrieval-Augmented Generation <i>David Osei Opoku, Ming Sheng and Yong Zhang</i></p>	

13:30-15:00	WISE Session 8: Security and Networking
Session Chair	Jinli Cao, La Trobe University, Australia
Room	Room 2
<p>PhishSSL: Self-Supervised Contrastive Learning for Phishing Website Detection <i>Wenhao Li, Selvakumar Manickam, Yung-Wey Chong, Shankar Karuppayah, Priyadarsi Nanda and Binyong Li</i></p> <p>TITID: A Transformer-Based IoT Traffic Intrusion Detection Model for MQTT Networks <i>Li Ma, Sipei Wu, Junxian Ye, Bin Liu, Chunrong Lai, Fen Liu and Wenyin Yang</i></p> <p>Explainable CAN Intrusion Detection via Feature Extraction <i>Haofan Wang, Farah Kandah and Lalith Medury</i></p> <p>Extending Hyperbolic Temporal Graph Neural Network to Anomaly Detection for secure Cyber-spaces <i>Souhail Abdelmouaiz Sadat, Mohamed Yacine Touahria Miliani, Hamida Seba</i></p>	

Tuesday, 16 Dec 2025

13:30-15:00	Demo and PhD Projects
Session Chair	Houneida Sakly, CRMN, Tunisia
Room	Room 3
<p>Demo 1: HazardSense: An Interactive Graphical Tool for Detecting Natural Hazards <i>Julia Eigenmann and Mourad Khayati</i></p> <p>Demo 2: A System for Masking BPs' Resources <i>Najla Fattouch, Khouloud Boukadi, Zakaria Maamar and Amel Benna</i></p> <p>PhD Project: Scientific Literature Retrieval Based on Structure-Enhanced Graph Convolutional Networks and Influence-Aware Ranking <i>Yuanyuan Meng</i></p>	

15:00-15:30	Coffee Break
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15:30-17:00	WISE Session 9: Security and Trust
Session Chair	Houneida Sakly, CRMN, Tunisia
Room	Room 1
<p>Building Trust on User Attributes for Identity Assurance Frameworks <i>Salameh Abu Rmeileh, Esther Palomar, Asma Patel, Hanifa Shah and Vladlena Benson</i></p> <p>GCN-InjectionDetect: Injection attack detection method based on Graph Convolutional Networks <i>Wei Wan, Huiyuan Pei, Yuhai Lu, Jing Zhao, Guanyao Du, Jinxia Wei and Chun Long</i></p> <p>Improving Trust in AI-Driven Diabetes Prediction: Explainability Through SHAP and Counterfactual Analysis <i>Razan Malluhi, Mahmoud Barhamgi, Saeed Salem and Ahmad Qadeib Alban</i></p> <p>SLF-DF: a Framework for Fraud Detection in Airdrop Business Processes <i>Oumaima Rjab, Layth Sliman and Souheib Yousfi</i></p>	

Tuesday, 16 Dec 2025

15:30-17:00	WISE Session 10: Sentiment Analysis and Classification
Session Chair	Yanchun Zhang, Zhejiang Normal University, China
Room	Room 2
<p>EmoCIE: Emotion-Cause Identification with Intensity Estimation <i>Joseph Schmidt, Anthony Romano, Ademola Adesokan and Sanjay Madria</i></p> <p>Knowledge Injection in a Neural Model for Aspect-Based Sentiment Classification <i>Stijn Coremans, Bram Wisse, Arthur van Klei, Sameeksha Aggarwal, Lakshita Bhatti and Flavius Frasinca</i></p> <p>Model Knowledge Injection for Aspect-Based Sentiment Classification <i>Danique Thaens and Flavius Frasinca</i></p> <p>Happiness Maximization Queries with Two-sided Fairness <i>Jie Dong and Jiping Zheng</i></p>	

15:30-17:00	WISE Session 11: Recommender Systems II
Session Chair	Loubna Mekouar, UM6P, Morocco
Room	Room 3
<p>A multi-modal short-video recommendation method for enhancing user behaviors based on graph contrastive learning <i>Xingting Wen, Baojun Tian, Wangwang Zhang and Tiantian Liu</i></p> <p>Enhancing Multi-behavior Sequential Recommendation via Transformer-based Cross-layer Contrastive Learning <i>Lichang Zhao, Baojun Tian, Tengjiao Wang, Jiandong Fang and Pengyu Chen</i></p> <p>Meta-User2Vec: Recommendations Based on Embeddings for Users and Products Using Meta-data <i>Daan G.H. Wassenberg, Flavius Frasinca, Tarmo Roba</i></p> <p>Semantic-guided Data Augmentation and Filtering for Sequential Recommendation <i>Zitong Zhu, Meixiu Long and Jiahai Wang</i></p>	

19:00-21:00	Conference Dinner
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Wednesday, 17 DEC 2025

09:00-10:30	WISE Session 12: Recommender Systems III
Session Chair	Yong Zhang, Tsinghua University, China
Room	Room 1
<p>GACS: Graph Contrastive Learning with Augmented Collaborative Signals for Recommendation <i>Haibo Liu, Lianjie Yu, Wenlong Zheng, Yunlong Zhou, Jinglian Liu and Shiyong Fan</i></p> <p>ReGeS: Reciprocal Retrieval-Generation Synergy for Conversational Recommender Systems <i>Dayu Yang and Hui Fang</i></p> <p>Ontology-Enhanced RAG Architecture for Sensory-Aware Food Recommendation <i>Ada Bagozi, Devis Bianchini, Paola Magrino, Stefano Picchi, Anisa Rula and Michele Melchiori</i></p> <p>LSA: A Long-Short-term Aspect Interest Transformer for Aspect-Based Recommendation <i>Le Liu, Junrui Liu, Yunhan Gao, Ziheng Wang and Tong Li</i></p>	

09:00-10:30	WISE Session 13: Route Optimisation & Networks
Session Chair	Marwa Boulakbech, LIS, Aix-Marseille University, France
Room	Room 2
<p>A Comparative Study on Sub-route Merging Ways for Clustering Assisted Ant Colony Optimization to Solve Large-Scale Traveling Salesman Problem <i>Zhongheng Jiang, Qiang Yang, Dan-Ting Duan, Zhen-Yu Lu and Jun Zhang</i></p> <p>A Comparative Analysis of Ant Colony Optimization for Mobile Robot Route Optimization <i>Wen-Jun Zheng, Qiang Yang, Dan-Ting Duan, Zhen-Yu Lu and Jun Zhang</i></p> <p>An Effective Multi-Hop Ride-Sharing Algorithm on Large-Scale Road Networks <i>Junwei Liu and Detian Zhang</i></p> <p>Interval Based Constrained Path Optimization in Time-Dependent Road Networks <i>Kousik Kumar Dutta and Venkata M. V. Gunturi</i></p>	

Wednesday, 17 DEC 2025

09:00-10:30	WISE Session 14: Large Language Models II
Session Chair	Théophile Mandon, LIRMM, France
Room	Room 3
<p>HALIFacts: Evaluating Large Language Models for Domain-Specific Fact-Checking and Their Carbon Impact <i>Théophile Mandon, Sandra Bringay, Pascal Poncelet and Maximilien Servajean</i></p> <p>A Hybrid AI System for Evaluating Media Representation of Violence and Inequality <i>Zhan Liu and Nicole Glassey Balet</i></p> <p>TCM-Eval: A Multi-dimensional Benchmark Framework for Evaluating Large Language Models in Traditional Chinese Medicine <i>Meihan Zhang, Xin Wang, Yuqian Wang, Hanshuo Xing, Pengwei Zhuang, and Xiangyu Ji</i></p> <p>Boosting Pre-trained Language Models for Temporal Knowledge Graph Reasoning via Joint Structure and Recurring Patterns <i>Zihao Jiang, Miao Peng, Wenjie Xu, Ben Liu, Yao Xiao, Kai Liu and Min Peng</i></p>	
10:30-11:00	Coffee Break

Wednesday, 17 DEC 2025

11:00-12:30	WISE Session 15: Knowledge Graphs II
Session Chair	Zhan Liu, HEVS, Switzerland
Room	Room 1
<p>On Large-scale Evaluation of Embedding Models for KG Completion <i>Nasim Shirvani Mahdavi, Farahnaz Akrami and Chengkai Li</i></p> <p>Analysis Neuro-Symbolic Embedding Approaches: Assessing Knowledge Representation and Latent Space Reasoning Capabilities <i>Ludwig De Sousa, Salima Benbernou and Mourad Ouziri</i></p> <p>RAG-KT: Retrieval Augmented Generation based Difficulty Estimation for Knowledge Tracing <i>Hui Ma, Tiancheng Zhang, Wangyue Lu, Fan Li, Minghe Yu, Yifang Yin and Ge Yu</i></p> <p>BiRKGC: Bidirectional Relation and Graph-Aware Model for Knowledge Graph Completion <i>Yicheng Zhang, Jiwei Qin, Shengguo Kang, Duxiang Chen, Haichao Li, Li Zhang and Qiangsheng Feng</i></p>	

11:00-12:30	WISE Session 16: Information Retrieval & Keywords
Session Chair	Loubna Mekouar, UM6P, Morocco
Room	Room 2
<p>MAGIC-Enhanced Keyword Prompting for Zero-Shot Audio Captioning with CLIP Models <i>Vijay Govindarajan, Pratik Patel, Sahil Tripathi, Md Azizul Hoque and Gautam Siddharth Kashyap</i></p> <p>ESGTabQA: Open-Domain Question Answering on High-Cardinality ESG Tables <i>Adam Binks, Basem Suleiman and Jinglin Sun</i></p> <p>Finding Top-k Keywords-Aware Optimal Routes: A Splice-Based Expansion Approach <i>Yang Song, Jiajia Li, Lei Li, Linlin Ding and Chengcheng Chen</i></p> <p>Backbone-based Neighbor Transferring Proximity Graph for Fast Inner Product Retrieval <i>Aoran Chen, Yuchen Ji, Shengzhe Jiao, Yihong Zhang and Takahiro Hara</i></p>	

Wednesday, 17 DEC 2025

11:00-12:30	WISE Session 17: Graph Models and Methods
Session Chair	Curtis Dyreson, Utah State University, USA
Room	Room 3
<p>Counting the Number of Hop-Constrained Simple s-t Paths in Large Graphs <i>Bocheng Han, Zebin Chen, Yi Ding, Weizhang Jiang, Yizhe Zhang, John Shepherd, Dong Wen and Zhengyi Yang</i></p> <p>MambaTSC: Towards Robust Time Series Completion via Multi-Scale Temporal Enhancement and Score-Gated Graph Modeling <i>Linlin Ding, Yuhang Hu, Mo Li, Zhaosong Zhao and Jiajia Li</i></p> <p>Fake News Detection with Hypergraph Neural Networks via Leveraging User-Topic Interactions <i>Jinho Go, Jiaojiao Jiang and Sanjay Jha</i></p> <p>Aspect-oriented GraphQL <i>Curtis Dyreson</i></p>	

12:30-13:30	Lunch Break
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Wednesday, 17 DEC 2025

13:30-15:00	WISE Session 18: Human-Centred Applications & Services
Session Chair	Ada Bagozi, University of Brescia, Italy
Room	Room 1
<p>DIVE: A Neuro-Symbolic and User-Centered Approach for Data Insight Visualization <i>Jan-David Stütz, Selamawit Gegziabher, Victor Blaga, Oliver Karras, Allard Oelen and Sören Auer</i></p> <p>Pose-guide Feature Restoration Transformer for Occluded Person Re-identification <i>Jiaqi Li, Shaoqian Chen, Kangfei Yao, Xiaohui Huang, Yuewei Wang, Jiaxin Li and Yunliang Chen</i></p> <p>A Fine-Grained Predictive Stress Quantification Framework for Drivers with Autism Spectrum Disorder in Inclusive Smart Mobility <i>Amadou Djoulde Barry, Nawal Guermouche, Viviane Kostrubiec, Pierre Vincent Paubel, Thouria Ben Haddi, Ghuilhem Baccati and Youcef Belkhiri</i></p> <p>PersoDPO: Scalable Preference Optimization for Instruction-Adherent, Persona-Grounded Dialogue via Multi-LLM Evaluation <i>Saleh Afzoon, Mohammadhossein Ahmadi, Usman Naseem, Amin Beheshti</i></p>	

13:30-15:00	WISE Session 19: Distributed Data & Code Generation
Session Chair	Irfan Awan, University of Bradford, UK
Room	Room 2
<p>Controllable Structured Data Generation and Augmentation Mechanism for Power Grid Applications <i>Yuteng Huang, Yuqing Xie, Xiaoke Xu, Enquan Ge, Huihang Lai and Peng Lu</i></p> <p>A Distributed Sharing Model for EMRs Based on Hybrid Consortium Chain and Stackelberg Game <i>Rong Jiang, Wenlu Lou, Jinpeng Zhang, Hejiao Zhang and Haiyang Wang</i></p> <p>CODE ACROSTIC: Robust Watermarking for Code Generation <i>Li Lin, Siyuan Xin, Yang Cao and Xiaochun Cao</i></p> <p>Reimagining Attentional Copulas: A Transformer-Based Approach with Proportional Dependency Learning <i>Yan Kin Chi and Raymond Wong</i></p>	

Coffee Break & Networking

Thursday, 18 DEC 2025

These sessions are by invitation only:

10:30-12:30	
Room	Main Hall
WISE – Planning Meeting and Discussion	

Break

13:30-15:00	
Room	Main Hall
WISE – Steering Committee Meeting	

*******Conference End*******