

# ICIM

## 2026 the 12th International Conference on Information Management

# EAET

## 2026 the 7th European Advanced Educational Technology Conference

**Oxford, UK**  
**March 27-29, 2026**

### Patrons



**WAGENINGEN**  
UNIVERSITY & RESEARCH



**Springer**



# TABLE OF CONTENTS

Conference Committees .....	3
Conference Venue .....	5
General Information .....	7
Onsite Instruction .....	8
Online Instruction .....	9
Schedule at a Glance.....	10
Keynote Speakers.....	12
Onsite Sessions on March 28th	
Session 1: Enterprise Intelligent Information Systems and Business Intelligence Decision Analysis .....	18
Session 2: Design of Smart Healthcare Information Systems and Data-Driven Management....	19
Session 3: Intelligent Tutoring Systems and Personalized Learning Based on Large Language Models .....	20
Session 4: Innovative Applications of Generative Artificial Intelligence in Smart Education .....	21
Poster Session A: Innovative Applications of AI-Empowered Intelligent Information Technology and Emerging Interdisciplinary Scenarios .....	22
Poster Session B: Curriculum Design and Smart Education Management Based on Intelligent Tutoring Systems.....	25
Session 5: AI-Empowered Information System Design and Intelligent Decision-Making Methods .....	28
Session 6: Intelligent Information Systems and Smart Management Based on Multimodal Data Fusion.....	29
Session 7: Key Technologies for Cyberspace Security Protection and Information Security Governance .....	30
Session 8: Immersive Smart Learning Environments and Multimodal Learning Mechanisms ....	31
Online Sessions on March 29th	
Session 9: Intelligent Detection of Fraudulent Behavior and Information Security Risk Analysis	32
Session 10: Smart City Governance Systems and Intelligent Public Management Solutions.....	33
Session 11: AI-Driven Innovative Applications in Smart Education and Public Services .....	34

## CONFERENCE COMMITTEES

### Conference Committee Chair

- **Shuliang Li**, Fellow (Life) of the British Computer Society; Loxbridge High-Tech Forum, UK

### Conference Committee Co-chairs

- **Christopher Summerfield**, the University of Oxford, UK
- **Stephen Law**, the University of Oxford, UK
- **Adrian Hopgood**, Fellow of the British Computer Society, the University of Portsmouth, UK
- **Hua Dai**, California State University Channel Islands, USA

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- **William Hurst**, Wageningen University & Research, Netherlands
- **Yu-wang Chen**, University of Manchester, UK
- **Alton Y. K. Chua**, Nanyang Technological University, Singapore
- **Bhavani Sridharan**, Australian Catholic University, Australia

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- **Ezendu Ariwa**, University of Wales Trinity Saint David, UK (SMIEEE)
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- **Philippa Ward**, the University of Gloucestershire, UK
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- **Amin Karami**, University of East London (UEL), United Kingdom
- **Amna Javed**, Japan Advanced Institute of Science and Technology, Japan
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- **Benjamin Yen**, The University of Hong Kong, Hong Kong
- **Chenggang Li**, Beijing Institute of Fashion Technology, China
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- **Emre Erturk**, Eastern Institute of Technology, New Zealand
- **Haiming Liu**, the University of Bedfordshire, UK
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- **Kevin Caramacion**, Mercyhurst University, USA (SMIEEE)
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- **Kholoud Alkayid**, University of Wollongong, Australia
- **Liaqat Ali**, USTF Fujairah UAE
- **Liu Chaoqun**, Wuhan University of Technology, China
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- **Majdi Anwar Quttainah**, Kuwait University, Kuwait (MIEEEE)
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- **Mike Krey**, Zurich University, Switzerland (MIEEEE)
- **MISUK LEE**, Seattle University, USA
- **Nilam Choudhary**, SKIT Jaipur, India (SMIEEEE)
- **Nithinant Thammakoranonta**, National Institute of Development Administration, Thailand
- **Noriyuki Suyama**, Bunka Gakuen University, Japan
- **Popentiu Vladicescu**, University Politehnica of Bucharest, Romania (MIEEEE)
- **Ricardo de Jesus Gomes**, Polytechnic of Leiria, Portugal
- **Roslina Ibrahim**, Universiti Teknologi Malaysia (UTM), Malaysia (MIEEEE)
- **Rubina Bhatti**, The Islamia University of Bahawalpur, Pakistan
- **RUSLI HAJI**, Universiti Putra Malaysia, Malaysia
- **Sho Ooi**, Ritsumeikan University, Japan
- **Shuo Sheng**, Zenitera Co. Ltd, China
- **Singha Chaveesuk**, King Mongkut's Institute of Technology Ladkrabang, Thailand
- **Smitha Sunil Kumaran Nair**, Middle East College, Sultanate of Oman (MIEEEE)
- **Syed Muhammad Ali**, University of Sciences and Technology (NUST), Pakistan
- **T.N.D.S Ginige**, Universal College Lanka, Colombo, Sri Lanka (MIEEEE)
- **Thoo Ai Chin**, Universiti Teknologi Malaysia, Malaysia
- **Xiaoyu Chen**, Shanghai University, China
- **Yi Yang**, School of Biomedical Engineering of Southern Medical University, China
- **Yoshifumi Manabe**, Kogakuin University, Japan (SMIEEEE)
- **Youseef Alotaibi**, Umm Al-Qura University, Saudi Arabia
- **Yukari Shirota**, Gakushuin University, Japan
- **Yousra Odeh**, Al-Zaytoonah University of Jordan, Jordan
- **Zuraidah Sulaiman**, Universiti Teknologi Malaysia, Malaysia (MIEEEE)
- **Muhammad Muqees Rehman**, Jeju National University, South Korea
- **Man Fung LO**, The University of Hong Kong, China (SMIEEEE)
- **Swapna Narla**, Tek Yantra Inc, California, USA
- **Durai Rajesh Natarajan**, Estrada Consulting Inc, California, USA
- **Qi Li**, University of Reading, UK
- **Irum Feroz**, University of Greater Manchester, UK

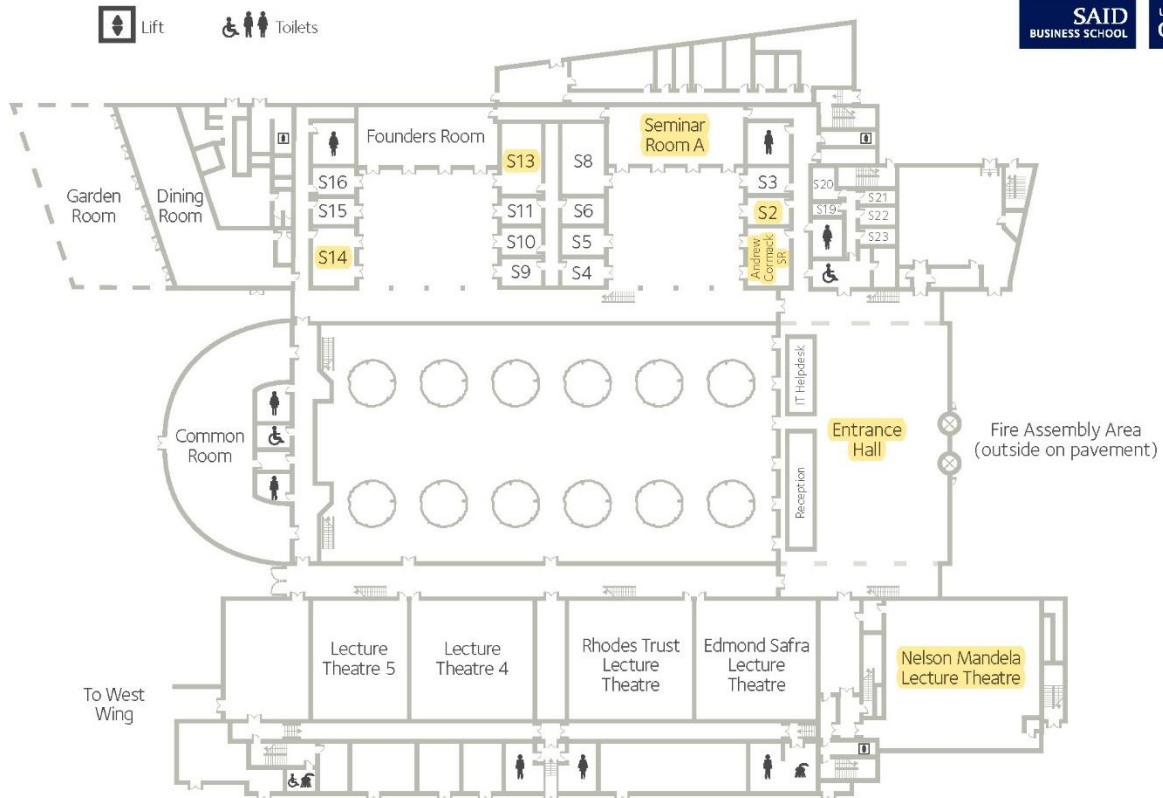
# CONFERENCE VENUE



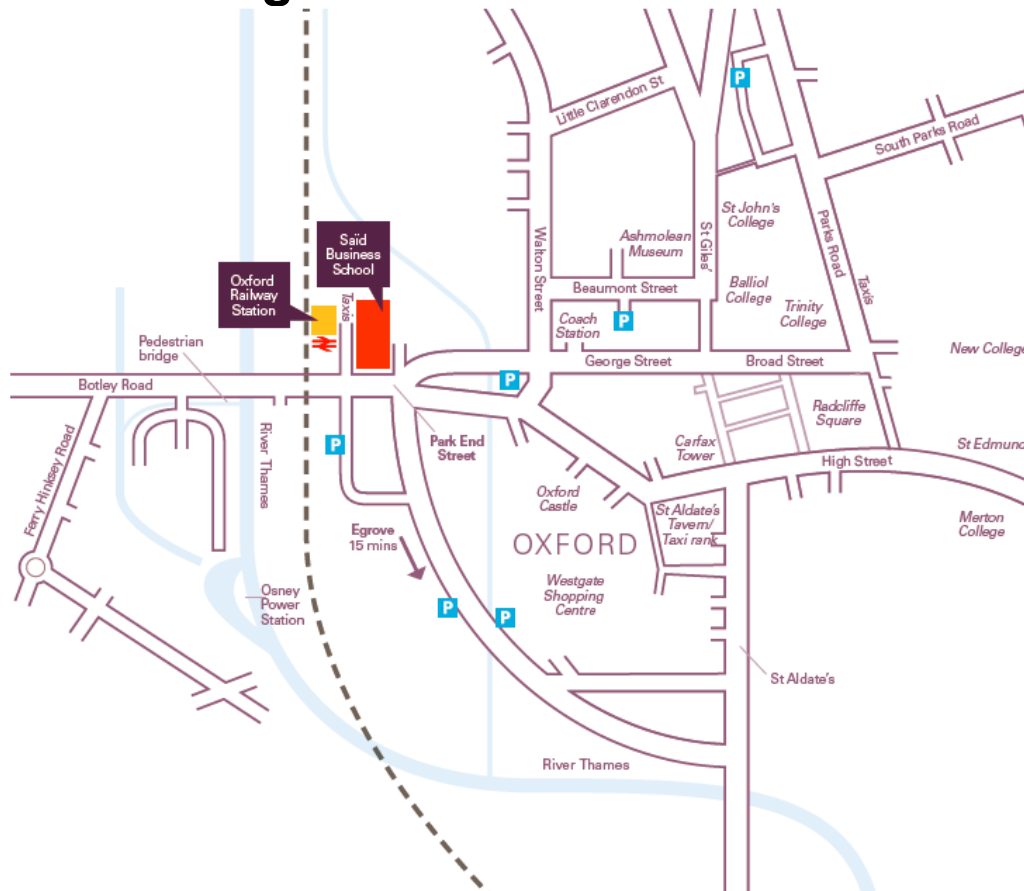
Saïd Business School  
 University of Oxford  
 Park End Street  
 Oxford, OX1 1HP  
[www.sbs.oxford.ac.uk](http://www.sbs.oxford.ac.uk)



Park End Street / East Wing / Ground Floor



# Getting to Saïd Business School



## ➤ City Centre Car parking

- Car parking in the city centre is limited and there is no parking at the business school.
- Visitors are recommended to use one of the four Park & Ride services surrounding the city – [click this Google link](#) for locations
- Seacourt and Thornhill Park & Ride buses stop opposite the school. Pear Tree and Redbridge Park & Ride buses stop on George Street – see map.

Park & Ride postcodes for Sat Nav:

Seacourt: OX2 0HP

Thornhill: OX3 8DP

Pear Tree: OX2 8BF

Redbridge: OX1 4XP

## ➤ From London, M40

- Follow the signs for M40 West/Oxford.
- Remain on the M40 until Junction 8.
- Keep left, (signposted Oxford A40) on the M40 slip road on to the A40. Use the Thornhill Park & Ride service – see postcode above.

## ➤ From Birmingham, M40

- Leave the M40 at Junction 9, (signposted Oxford A34).
- Follow A34 southbound until the Botley

Interchange.

- Use the Seacourt Park & Ride Service – see postcode above.

## ➤ From M4/A34

- Leave the M4 at junction 13 (signposted Newbury, Oxford and A34).
- Follow the A34 Northbound until the Botley Interchange.
- Use the Seacourt Park & Ride – see postcode opposite.

## ➤ From Heathrow Gatwick

- There is a regular coach service, (X70) from both airports to Oxford City Centre.
- From Heathrow there is a fast rail link to London Paddington which connects directly with services to Oxford.

## ➤ By Train

- There are direct main line services between Oxford, London and Birmingham. The Saïd Business School is adjacent to Oxford Station.

## ➤ Oxford Tube

- The Oxford Tube is a 24 hour bus service running between Oxford.
- City Centre and London Victoria Station.

## GENERAL INFORMATION

### Accessibility, allergy and dietary requirements

If you have any specific accessibility, allergy or dietary requirements, please make the booking organiser aware in advance so they can let us know and we can make the necessary arrangements.

### Please bring a water bottle with you

As part of our commitment to sustainability we do not provide delegate stationary or water in rooms. Please bring a reusable water bottle to use at our water refill stations. Please also use the recycling bins available across the School.

### Please consider using public transport

Car parking in the city centre is limited and there is no parking at the Saïd Business School. Oxford offers a range of Park and Ride facilities across the city and our Park End Street venue is immediately adjacent to the train station.

### Fire procedures

In the event of a fire a continuous siren will sound. The alarm is tested between 08:00 and 09:00 every Monday – if you hear it at any time other than this, please evacuate the building. There are many exits from the building, all marked with green pictogram signs. Please familiarise yourselves with these. The Fire Assembly Point is on the pedestrian area to the front of the building. Please remain there until you are told that it is safe to re-enter.

### Health and safety

Security in a building of this size must be carefully managed. Please help us to keep the Business School safe and secure. Please do not leave your belongings or valuables unattended at any time. Eating and drinking is not permitted in lecture theatres.

### First Aid

First aid can be found at the Reception desk. There are trained first-aiders on-site during office hours. If the injury is serious, please call 999 for an ambulance first before contacting Reception.

### Smoking

Smoking (including E-cigarettes) is not permitted anywhere within the building. If you wish to smoke, please ask Reception who will be able to direct you to the designated smoking area. Please do not smoke outside the front of the building. Please ensure all cigarettes are correctly extinguished and placed in the smoking bins provided.

### Wifi

Visitors to Saïd Business School will be able to use The Cloud. The WIFI is SBS-Conf and there is no password to join.

# ONSITE INSTRUCTION

## Oral Presentation

1. Timing: a maximum of 15 minutes total, including speaking time and discussion. Please make sure your presentation is well timed. Please keep in mind that the program is full and that the speaker after you would like their allocated time available to them.
2. You can use USB flash drive (memory stick), make sure you scanned viruses in your own computer. Each speaker is required to meet her/his session chair in the corresponding session rooms 10 minutes before the session starts and copy the slide file(PPT or PDF) to the computer.
3. It is suggested that you email a copy of your presentation to your personal inbox as a backup. If for some reason the files can't be accessed from your flash drive, you will be able to download them to the computer from your email.
4. Please note that each session room will be equipped with a LCD projector, screen, point device, microphone, and a laptop with general presentation software such as Microsoft PowerPoint and Adobe Reader. Please make sure that your files are compatible and readable with our operation system by using commonly used fonts and symbols. We do not recommend using your own computer due to potential technical issues.
5. Videos: If your PowerPoint files contain video clips please make sure that they are well formatted and connected to the main files.

## Poster Presentation

- Bring your high-resolution printed poster with you to the meeting (size must be A0 portrait [841mm×1189mm]).
- Set up your printed poster at least 10 minutes before your session start time on the day you are scheduled to present.
- Presenters must remove their printed posters immediately after the poster session.

## Conference Photos

Scan the QR code to get conference photos



## Accommodation

The conference organizer doesn't provide free accommodation or room reservation service. Participants should book rooms by themselves.

## Safety Reminder: Secure Valuable Items at All Times

We remind you to secure your personal belongings at all times.

Please remember to:

- \* Wear your Conference Identification Badge at all times. Do not throw away Badge.
- \* If you are using a laptop computer, do not leave it unattended at any time.
- \* Keep your purse, wallet and other valuables with you at all times.
- \* The conference organizer will not be responsible for the loss or damage to any personal belongings.

# ONLINE INSTRUCTION

## Time Zone

### London Time

You're suggested to set up the time on your computer in advance.

Notice: Daylight saving time 2026 in United Kingdom will begin on Sunday, March 29.

**March 27-28, 2026: UTC+0**

**March 29, 2026: UTC+1**

## Platform

We will be using **Zoom** for all our live stream sessions. So, if you haven't installed it, please download a Zoom client from: <https://zoom.us/download>

The Zoom account is not mandatory to attend the conference. If you do not want to register the account, by entering meeting ID is also accessible to our conference.

Learn the Zoom skills at: <https://support.zoom.us/hc/en-us/articles/206618765-Zoom-Video-Tutorials>

## Join the Test Session before the Formal Session

**Date: March 27, 2026**

Prior to the formal meeting, presenters shall join the test room to ensure everything is on the right track. Please check your test time on this program.

The Video presentation should be within 13 minutes, 2 minutes for Q&A, in total, one presentation is 15 minutes.

## Equipment Needed

- A computer with internet connection and camera
- Headphones

## Environment Needed

- Quiet Location
- Stable internet connection
- Proper lighting and background

## Attention Please

The conference will be recorded. We will appreciate your proper behavior.

## Presentation Recording and Broadcasting

The photograph(s) or video or audio recording(s) will be taken by conference organizer. It will be used in for conference program purpose. The photograph(s) or video or audio recording(s) shall not be used for commercial nor illegal purpose. Each presentation will be recorded, if you don't want it, please inform our staff ahead of time.

Do not record other presenters' presentation nor distribute it to or share with anyone unless the presenter gives written consent of agree. Failure to do so will be considered a serious academic violation subject to disciplinary/ lawful action.

# SCHEDULE AT A GLANCE

## March 27th (Friday, UTC+0)

Onsite Registration	
13:30-17:00	Collecting Conference Materials for Onsite Participants @ Seminar Room 2, Park End Street East Wing (Ground Floor)
Online Test	
Zoom Link	<a href="https://us02web.zoom.us/j/82127361120">https://us02web.zoom.us/j/82127361120</a>
9:00-11:00	Session 9, Session 10, Session 11

## Morning, March 28th (Saturday, UTC+0)

Park End Street East Wing (Ground Floor)			Room
09:00-09:10	Opening Remarks	<b>Prof Dr Shuliang Li</b> , British Computer Society; Loxbridge High-Tech Forum, UK	Nelson Mandela Lecture Theatre
09:10-09:40	Keynote Speech	<i>"AI and Human Agency"</i> <b>Prof. Christopher Summerfield</b> , University of Oxford, UK	
09:40-10:10	Keynote Speech	<i>"Engagement in the Digital Age: Gamification and Immersive Worlds"</i> <b>Prof. William Hurst</b> , Wageningen University & Research, Netherlands	
10:10-10:40	Keynote Speech	<i>"Learning With the Copilot: Human - AI Collaboration, Strategy Optimization, And Decision Quality in Programmatic Advertising"</i> <b>Prof. Hua Dai</b> , California State University Channel Islands, USA	
10:40-11:00	Group Photo & Coffee Break		
11:00-11:30	Keynote Speech	<i>"From Technology &amp; Models to Intelligent Civilisation: AI, Computing, the Map for UHI, and Universal Love for Code &amp; Robots"</i> <b>Prof Dr Shuliang Li</b> , British Computer Society; Loxbridge High-Tech Forum, UK	Nelson Mandela Lecture Theatre
11:30-12:00	Keynote Speech	<i>"From Uncertainty to Insight: Bridging Efficiency Analysis, Probabilistic Modeling, and Explainable AI"</i> <b>Dr. Yu Zhao</b> , Tokyo University of Science, Japan	
12:00-12:30	Keynote Speech	<i>"From Learning with AI to Learning to Judge: Why Educational Technology Must Shift Up the Cognitive Ladder"</i> <b>Prof. Mark Salisbury</b> , University of St. Thomas, USA	
12:30-13:30	Lunch @ Entrance Hall		

### Afternoon, March 28th (Saturday, UTC+0)

Park End Street East Wing (Ground Floor)			Room
13:30-15:45	Session 1	Enterprise Intelligent Information Systems and Business Intelligence Decision Analysis	Seminar Room A
	Session 2	Design of Smart Healthcare Information Systems and Data-Driven Management	Andrew Cormack
	Session 3	Intelligent Tutoring Systems and Personalized Learning Based on Large Language Models	Seminar Room 13
	Session 4	Innovative Applications of Generative Artificial Intelligence in Smart Education	Seminar Room 14
13:30-15:00	Poster Session A	Innovative Applications of AI-Empowered Intelligent Information Technology and Emerging Interdisciplinary Scenarios	Entrance Hall
15:45-16:00	Coffee Break		
16:00-17:30	Poster Session B	Curriculum Design and Smart Education Management Based on Intelligent Tutoring Systems	Entrance Hall
16:00-18:00	Session 5	AI-Empowered Information System Design and Intelligent Decision-Making Methods	Seminar Room A
	Session 6	Intelligent Information Systems and Smart Management Based on Multimodal Data Fusion	Andrew Cormack
	Session 7	Key Technologies for Cyberspace Security Protection and Information Security Governance	Seminar Room 13
	Session 8	Immersive Smart Learning Environments and Multimodal Learning Mechanisms	Seminar Room 14
18:00-19:00	Finger Buffet @ Entrance Hall		

### March 29th (Sunday, UTC+1)

Online Meeting	
Zoom Link	<a href="https://us02web.zoom.us/j/82127361120">https://us02web.zoom.us/j/82127361120</a>
08:00-10:15	Session 9: Intelligent Detection of Fraudulent Behavior and Information Security Risk Analysis
10:30-12:45	Session 10: Smart City Governance Systems and Intelligent Public Management Solutions
13:00-15:15	Session 11: AI-Driven Innovative Applications in Smart Education and Public Services

# KEYNOTE SPEAKER

March 28<sup>th</sup> | 9:10-9:40  
Nelson Mandela Lecture Theatre



## Prof. Christopher Summerfield

University of Oxford, UK

**Bio:** I am Professor of Cognitive Neuroscience at the University of Oxford, and a Research Director at the UK AI Security Institute. My work focuses on understanding the cognitive and neural mechanisms that underlie human learning and decision-making, and on studying the impacts of AI on society.

My research bridges the fields of cognitive science, neuroscience, and artificial intelligence. I am particularly interested in how insights from human cognition can inform the development of more advanced and safer AI systems. I lead the Human Information Processing (HIP) lab in the Department of Experimental Psychology at the University of Oxford. For more information about my academic work and lab, please visit [humaninformationprocessing.com](http://humaninformationprocessing.com) or view my Google Scholar profile.

### AI and Human Agency

**Abstract:** As AI systems become integrated into every aspect of our lives, a key challenge is to ensure that they are built to empower, rather than to disempower humans. I discuss the nature of human agency, and the ways that it is enhanced or degraded by technology. I summarise recent evidence which has explored how humans are empowered or disempowered when they interact with conversational AI systems. I conclude by talking about potential technical solutions for enhancing human agency using AI.

## KEYNOTE SPEAKER

March 28<sup>th</sup> | 9:40-10:10  
Nelson Mandela Lecture Theatre



Prof. William Hurst

Wageningen University & Research, Netherlands

**Bio:** Dr Hurst is an Associate Professor in Data Science and eXtended Realities in the Information Technology Group at Wageningen university. He also founded, and is head, the Social Creative Technologies Lab , which specializes in projects related to game engines, virtual, augmented and mixed reality and Data Science. To-date, he has over 100 international publications and has also been principal investigator for several grants funded by different organizations such as EU/NGI, NWO, InnovateUK, EPSRC. He also has 12 years' teaching experience covering subjects such as Data Science Concepts, eXtended Realities, Data Visualization, Digital Games Content Production, Internet and Web Technologies, and Digital Storytelling.

### Engagement in the Digital Age: Gamification and Immersive Worlds

**Abstract:** This keynote will examine the transformative potential of creative technologies across diverse application settings, with a particular focus on education, highlighting how these tools can enrich learning experiences and foster deeper engagement. The presentation will explore how advanced sensing technologies, such as physiological and cognitive monitoring tools, can provide meaningful insights into learners' attention, emotion, and motivation, informing the design of adaptive, learner-centered educational experiences. Additionally, the talk will showcase a range of gamification projects (such as serious games and interactive simulations) that employ game mechanics strategically to enhance participation and sustain motivation over time. Attendees will gain insight into how 'thoughtfully' designed gamified experiences can complement traditional pedagogy and support measurable learning gains. Furthermore, the talk will discuss emerging opportunities and challenges associated with metaverse data, as a platform for immersive education, collaborative learning, and experiential exploration.

# KEYNOTE SPEAKER

March 28<sup>th</sup> | 10:10-10:40  
Nelson Mandela Lecture Theatre



Prof. Hua Dai

California State University Channel Islands, USA

**Bio:** Hua Dai is a Professor of Management Information Systems at Martin V. Smith School of Business & Economics of California State University at Channel Islands, USA. Her research interests include electronic commerce, eService, big data and business analytics, blockchain and metaverse, outsourcing, IS cross-cultures, and recently, AI applications in business. Dr. Dai's research has been published in European Journal of Information Systems, Information & Management, Decision Support Systems, The Data Base for Advances in Information Systems, Electronic Markets, ACM Transactions on Software Engineering and Methodology, Journal of Computer Information Systems, Journal of Electronic Commerce Research, among others.

## Learning With the Copilot: Human–AI Collaboration, Strategy Optimization, And Decision Quality in Programmatic Advertising

**Abstract:** Artificial intelligence (AI) is transforming programmatic advertising by reshaping how digital media is valued, purchased, and optimized at scale. As algorithmic systems increasingly guide decisions about audience targeting, budget allocation, and performance optimization, the role of human decision makers is evolving from manual operators to strategic collaborators with intelligent systems. Understanding this shift is essential to the future of digital advertising and enterprise decision-making.

This work explores how AI influences decision-making power in programmatic markets and considers the broader implications of transparency, trust, and calibrated reliance in algorithmically mediated environments. Rather than viewing AI solely as a tool for automation or efficiency, programmatic advertising can be understood as a dynamic system in which human judgment and machine intelligence continuously interact and adapt. Effective collaboration depends not only on predictive accuracy but also on system design choices that support learning, strategic thinking, and responsible allocation of media investments.

By situating AI within the economic and institutional foundations of digital advertising, this discussion highlights how transparency and decision support shape not only campaign performance but also brand integrity and the sustainability of the broader media ecosystem. It offers a forward-looking perspective on human – AI collaboration and outlines guiding principles for designing AI systems that strengthen performance, accountability, and long-term value creation in programmatic advertising.

# KEYNOTE SPEAKER

March 28<sup>th</sup> | 11:00-11:30

Nelson Mandela Lecture Theatre

## Prof Dr Shuliang Li

Fellow (lifelong) of the British Computer Society (UK), Chairman of Loxbridge High-Tech Forum



Loxbridge High-Tech Forum, UK

### Bio: Experience, Education and Professional Training

Having held the posts as a Reader & Departmental Research Leader in the UK. Sichuan 100 Talents expert professor in China. Distinguished visiting professor in China. Dr Li received his education and professional training from: Haiyang First High School (Shandong, China); Southwest Jiaotong University (China); the University of Edinburgh (UK); the University of Bedfordshire (UK); the University of Oxford (UK); the University of Cambridge (UK); Harvard University (USA); the University of Westminster (UK); Nvidia (USA); Meta (USA); and ARM Cambridge (UK).

### Publications

Dr Li has authored and co-authored more than one hundred refereed journal articles, research papers, books, and other scholarly items. His publications have appeared in the international journals including Decision Support Systems, European Journal of Marketing, Expert Systems with Applications, Intelligent Systems in Accounting, Finance and Management, Marketing Intelligence and Planning, Industrial Management & Data Systems, International Journal of Management and Decision Making, Mathematics, and Chinese Journal of Management Science, among others. He has also contributed numerous papers to conference proceedings published by IEEE. His research outputs have been widely downloaded and cited internationally.

### Textbook Recognition

Two pages of Dr Li's research were included in the renowned textbook Decision Support Systems and Intelligent Systems (7th edition, Prentice Hall International, 2005).

### Conference leadership

Dr Li has chaired more than thirty international academic and research conferences, with proceedings published by Springer, ACM, and IEEE, and indexed by Ei Compendex, Scopus, and Google Scholar.

### Research Excellence

Recognised for sustained international research excellence, Dr Li contributed to the UK Government's Research Assessment Exercises (RAE) 2001 and 2008, and the Research Excellence Framework (REF) 2014.

### Teaching and Supervision

Over the course of his academic career, Dr Li has taught and supervised more than 20,000 undergraduate, postgraduate, and doctoral (PhD) students across the UK, China, and other countries worldwide.

## From Technology & Models to Intelligent Civilisation: AI, Computing, the Map for UHI, and Universal Love for Code & Robots

**Abstract:** This keynote speech proposes and structures AI as the transition from the technology & model waves to the future stage, high level and top layer, where artificial intelligence, artificial general intelligence (AGI), in particular, and smart robots will get embedded in daily life and systems: daily life, science, engineering, industries, entertainment, healthcare, transport, government, creative work, education. We link real signals of this great shift or change with the future. Firstly, Elon Musk's interview discussions about AI abundance and Universal High Income (UHI) highlight how the economy of work could be impacted if robotics and AI accelerate as predicted. Secondly, NVIDIA shows accelerated computing and the compute flywheel driving the era to the next-generation chip roadmap pushing AI into real-world labs and applications. Thirdly, Arm Cambridge partly represents the UK's strategic position in energy-efficient compute, crucial for scaling AI from cloud to edge while maintaining power and cost to be more sustainable. Fourthly, Google and IBM quantum computers and hybrid quantum - classical - AI will expand and accelerate the speed and frontier of feasible computation for civilization and will also reshape the future economies. Fifthly, large Language Models (LLMs) such as GPT, as popularised through ChatGPT, represent a major step towards widely accessible cognitive tooling for future civilisation, that will support human learning, creativity and problem-solving at scale, assisting with the more connected and informed society and communities. The new era of AI and AGI as the foundation of intelligent civilisation Musk, AI & AGI, Economy, work and UHI Nvidia GPUs, compute flywheel and the opportunities The UK and ARM Cambridge perspective Google and IBM quantum computers LLMs and future civilization Risks, trust, ethics and governance.

# KEYNOTE SPEAKER

March 28<sup>th</sup> | 11:30-12:00  
Nelson Mandela Lecture Theatre



Dr. Yu Zhao

Tokyo University of Science, Japan

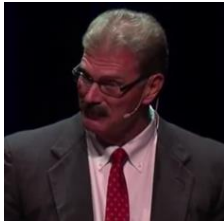
**Bio:** Dr. Yu Zhao is currently a Junior Associate Professor at the School of Management, Tokyo University of Science. He also serves as a Visiting Lecturer at the Institute of Statistical Mathematics, Japan. He received his Ph.D. in Information Science and Technology from Osaka University. His research focuses on both theoretical and practical aspects of statistical learning theory, operations research, and management science. His analytical approaches include machine learning and algorithmic learning methods, statistical inference and modeling, and mathematical programming. His work has been published in journals such as *Omega - The International Journal of Management Science*, *The European Journal of Operational Research*, *Expert Systems with Applications*, *Journal of the Operational Research Society*, *Journal of Retailing and Consumer Services*, and other reputable journals.

## From Uncertainty to Insight: Bridging Efficiency Analysis, Probabilistic Modeling, and Explainable AI

**Abstract:** Extracting reliable and actionable insight from complex, heterogeneous data remains a central challenge in modern information management. This keynote presents a unified research program that progresses through four stages, namely measure, trust, segment, and understand, where each stage is motivated by the limitations of the preceding one. The first stage employs Data Envelopment Analysis as a nonparametric framework for benchmarking organizational performance by constructing an empirical production frontier, with applications spanning Olympic achievement evaluation, banking assessment, and public utility management. However, when data are noisy, a single efficiency score may not be sufficiently trustworthy for high-stakes decisions. The second stage addresses this limitation by embedding probabilistic structures into frontier estimation. Stochastic Nonparametric Envelopment of Data, forest-based resampling, and hierarchical conditional forests replace fragile point estimates with distributional inference, equipping efficiency scores with confidence intervals and enabling principled productivity change measurement. Yet evaluating all organizations against a single frontier implicitly assumes homogeneity, overlooking structural differences in scale, geography, or operating environment. The third stage tackles this heterogeneity through the Mixed-Copula Mixture Model framework and its open-source implementation *pymcmm*, which provides a principled approach to clustering datasets containing continuous, discrete, and categorical variables with missing values. By uncovering latent group structures, such as water utility clusters or consumer segments with shared behavioral patterns, the analysis gains both accuracy and policy relevance. The fourth stage leverages explainable AI techniques, specifically SHAP and ICE analyses, to translate complex analytical outputs into transparent, interpretable narratives that support evidence-based action for non-technical stakeholders. Throughout, a running case study in sustainable water utility management demonstrates how these four stages connect end to end. The integration of rigorous measurement, uncertainty quantification, flexible clustering, and post-hoc interpretability offers a cohesive approach to evidence-based decision support in information management.

# KEYNOTE SPEAKER

March 28<sup>th</sup> | 12:00-12:30  
Nelson Mandela Lecture Theatre



Prof. Mark Salisbury

University of St. Thomas, USA

**Bio:** Mark Salisbury is a professor of computer science and organizational change at the University of St. Thomas. He previously served as dean of the College of Leadership, Education, and Counseling at St. Thomas and is the author of *Leadership in the Era of Personal AI*. Mark received a master's degree in computer and information science and a PhD in computers and education from the University of Oregon and spent the next 11 years in AI research at The Boeing Company. Mark later founded Vitel, Inc., a knowledge management firm serving the U.S. Department of Energy and spent the next 17 years as a professor and director of the Organization, Information, & Learning Sciences (OILS) program at the University of New Mexico, where he chaired more than two dozen PhD dissertations and published extensively in artificial intelligence and knowledge management. Mark is the creator and host of *The Professor is Live!* with Mark Salisbury, a live LinkedIn event that also serves as a recording session for the podcast of the same name. He is a sought-after speaker and consultant on data science, leadership, education, and the future of work.

## **From Learning with AI to Learning to Judge: Why Educational Technology Must Shift Up the Cognitive Ladder**

**Abstract:** Artificial intelligence is rapidly transforming educational technology by supporting explanation, personalization, and procedural learning at scale. This keynote argues that these advances require a fundamental shift in educational design priorities—from delivering content to developing learners' judgment and metacognitive responsibility. Using the revised Bloom's taxonomy as a framework, the presentation examines how AI increasingly supports lower levels of cognition while higher-order evaluation, creation, and ethical reasoning remain uniquely human. The talk introduces the concept of a "judgment gap" in AI-enhanced learning environments and explores implications for instructional design, assessment, and teacher preparation. Educational technology, the keynote concludes, must evolve to support not only learning with AI, but learning to judge in partnership with intelligent systems.

# Session 1

March 28<sup>th</sup> | 13:30-15:30 | Seminar Room A

- Enterprise Intelligent Information Systems and Business Intelligence Decision Analysis
- Chairperson: Prof. William Hurst, Wageningen University & Research, Netherlands

\*Note: The schedule of each presentation is for reference only. Authors are required to attend the whole session, in case there may be some changes on conference day. Please join in the room 5-10 minutes earlier.

13:30-13:45	<p><b>MT26-3036-A</b> Opportunities of Artificial Intelligence in Information Management: findings from Multiple Workshops</p> <p>Peter Becker, Jos van Helvoort The Hague University of Applied Sciences, Netherlands</p>
13:45-14:00	<p><b>MT26-3141</b> DUET-HCI: Linking UX and Knowledge Absorption in Digital Entrepreneurship</p> <p>Nisrin Ishak Universiti Poly-Tech Malaysia</p>
14:00-14:15	<p><b>MT26-3025</b> Reframing Financial Literacy in the Age of Artificial Intelligence: A Conceptual Exploration of AI-Enabled Financial Literacy (AI-FL)</p> <p>AFM Jalal Ahamed University of Skövde, Sweden</p>
14:15-14:30	<p><b>MT26-3001</b> A Framework for Adaptive Test Automation Tools in Financial Institutions for Decision Making: A Systematic Literature Review</p> <p>Suraya Abu Salim Universiti Putra Malaysia (UPM), Malaysia</p>
14:30-14:45	<p><b>MT26-3035</b> The Pursuit for Digitally-Supported Competitiveness of Small Businesses: Drivers, Barriers, and Future Research Streams</p> <p>Tamara Šmaguc, Robert Kudelić University of Zagreb, Croatia</p>
14:45-15:00	<p><b>MT26-3051</b> A Systematic Review of Organisational Information Security Culture in Shaping Information Security Maturity</p> <p>Qamarul Nazrin Harun Universiti Teknologi MARA, Malaysia</p>
15:00-15:15	<p><b>MT26-3021</b> Partner Selection Strategy for Construction Supply Chain from the Perspective of BIM Information Sharing</p> <p>Fengting Zhang Chongqing University, China</p>
15:15-15:30	<p><b>MT26-3085</b> Reference Model of the DropShipment Business</p> <p>David Kuhlen Technische Hochschule Lübeck, Germany</p>

**Session Group Photo & Best Presentation Award**

## Session 2

March 28<sup>th</sup> | 13:30-15:30 | Andrew Cormack

- Design of Smart Healthcare Information Systems and Data-Driven Management
- Chairperson: Prof. Hua Dai, California State University Channel Islands, USA

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13:30-13:45	<b>MT26-3216</b> A SEIR epidemic model for citation dynamics of HIV-related Stigmatizing Language in the Scientific Literature Zhuoyan Jiang Wuhan University, China
13:45-14:00	<b>MT26-3037</b> BU-DETECT: Breast Ultrasound Detection with a Two-Stage CNN-Transformer Framework Chikodili Igbokwe University of East London, UK
14:00-14:15	<b>MT26-128A</b> Detection of Unwanted Adolescent Loneliness in Schools Through the Kampal Schools Tool Ana Belén Cebollero-Salinas, Carmen Elboj Saso University of Zaragoza, Spain
14:15-14:30	<b>MT26-3091</b> Building Cyber Resilience in Kenya' s Healthcare Sector: Lessons from the OPSWAT Academy Capacity-Building Initiative Henry Christian Uzima University, Kenya
14:30-14:45	<b>MT26-3112</b> AI Driven Predictive Analytics System for Early Detection of Oral Squamous Cell Carcinoma Using Patient Health Data Rahemeen Aman University of Greater Manchester, UK
14:45-15:00	<b>MT26-3168</b> Risk Factor Prediction of Congestive Heart Failure Using Machine Learning Sakchai Tangprasert King Mongkut's University of Technology North Bangkok, Thailand
15:00-15:15	<b>MT26-3203</b> Integrating Deep Learning and Physiological Modeling for Predicting Postpartum Complications in COVID-19 – Affected Women Mahadev A Gawas Govt of Goa, India
15:15-15:30	<b>MT26-3218</b> Research on User Participation Behaviors of Online Health Community in the Instant Messaging Context Zhuoyan Jiang Wuhan University, China

**Session Group Photo & Best Presentation Award**

# Session 3

March 28<sup>th</sup> | 13:30-15:45 | Seminar Room 13

- **Intelligent Tutoring Systems and Personalized Learning Based on Large Language Models**
- **Chairperson: Prof. Mark Salisbury, University of St. Thomas, USA**

\*Note: The schedule of each presentation is for reference only. Authors are required to attend the whole session, in case there may be some changes on conference day. Please join in the room 5-10 minutes earlier.

13:30-13:45	<p><b>MT26-198</b> Global Trends in Educational Podcasting in Higher Education: Pedagogical Practices and Integration with AI Tools</p> <p>Lidia Alfonsina Martinez University of Modena and Reggio Emilia, Italy</p>
13:45-14:00	<p><b>MT26-195</b> Teacher-AI Collaborative Design of Bloom-Aligned Foundational Assessments for Data Science Self-Study Support System</p> <p>Khaing Hsu Wai Akita University, Japan</p>
14:00-14:15	<p><b>MT26-113</b> Method and Verification the Support Application for the Geometry Net Rubik's Cube</p> <p>Kenji Kimura National Institute of Technology, Matsue College, Japan</p>
14:15-14:30	<p><b>MT26-140A</b> Towards Reliable AI Tutors: Hybrid Reasoning with LLMs and Deterministic Tools</p> <p>Francisco Ortin University of Oviedo, Spain</p>
14:30-14:45	<p><b>MT26-145A</b> Helping deficit stigma and learning breakthroughs via AI avatars in HE.</p> <p>Kate Smith ProfessorMe, UK</p>
14:45-15:00	<p><b>MT26-3011</b> Algorithmic Harmony: Probabilistic Models for Adaptive Music Composition</p> <p>Michele Della Ventura Accademia Musicale Studio Musica, Italy</p>
15:00-15:15	<p><b>MT26-193</b> DV-CBE Model for Operationalising Competency-based, Job-Aligned Micro-Credentials: A Case Study of Electrical Systems Micro-Credential</p> <p>Sivaneasan Bala Krishnan Singapore Institute of Technology, Singapore</p>
15:15-15:30	<p><b>MT26-3209</b> A Comparative Study of NLP Methods and Large Language Models for Academic Course Syllabi Similarity</p> <p>Hasan Kadhem American University of Bahrain, Bahrain</p>
15:30-15:45	<p><b>MT26-114</b> From Chatbot to Adaptive Syllabus-Aware AI-Mechanism: LLM Personalized Teaching Assistant in Higher Education</p> <p>Or Peretz, Roei Zerachia Shenkar-Engineering, Design, Art, Israel</p>

**Session Group Photo & Best Presentation Award**

# Session 4

**March 28<sup>th</sup> | 13:30-15:30 | Seminar Room 14**

- **Innovative Applications of Generative Artificial Intelligence in Smart Education**
- **Chairperson: Prof. Sa'ed Abed, Kuwait University, Kuwait**

*\*Note: The schedule of each presentation is for reference only. Authors are required to attend the whole session, in case there may be some changes on conference day. Please join in the room 5-10 minutes earlier.*

13:30-13:45	<p><b>MT26-102</b> Development of the SmartJawi Application: An Interactive Learning Material for Children Aged 4-5 Years</p> <p>Azam Ghazali Sultan Ismail Petra International Islamic University College (KIAS), Malaysia</p>
13:45-14:00	<p><b>MT26-139A</b> The Ethos of Teaching Revisited: Opportunities and Risks for the Educational Ethos in Digital Culture</p> <p>Magdalena Zdun Cracow University of Economics, Polska</p>
14:00-14:15	<p><b>MT26-3038</b> CAFAE: Context-Aware Fair AI Framework for Bias Detection in Education</p> <p>Emefa Juliet Afi Takyi-Amoako University of East London, UK</p>
14:15-14:30	<p><b>MT26-173</b> No Gains Without Skills: The Moderating Role of AI Literacy in Academic Writing Outcomes</p> <p>Matthias Gross THM Business School - Giessen, Germany</p>
14:30-14:45	<p><b>MT26-1102A</b> Automated Generation of Explainable Feedback from Infant Sleep Logs Using Expert Knowledge</p> <p>Atsushi Shimada Kyushu University, Japan</p>
14:45-15:00	<p><b>MT26-3049</b> Large Language Models as Cognitive-Linguistic Analysts: Evaluating Meta-Model Violation Detection via Retrieval-Augmented Grounding</p> <p>Chikodili Igbokwe University of East London, UK</p>
15:00-15:15	<p><b>MT26-146A</b> Application and challenge of intelligent education technology in personalized teaching for children with learning disabilities</p> <p>Sha Li Handan University, China</p>
15:15-15:30	<p><b>MT26-1106</b> Intervention of selected Mobility Exercises and participation in Special games on Psychomotor Abilities, Functional Abilities, and Game Performance among Intellectually Disabled Children of Under 16 Age</p> <p>Samuel jesudoss Jesiah YMCA College of Physical Education, India</p>
15:30-15:45	<p><b>MT26-1100A</b> Prompt Engineering as Pedagogical Design: Using Generative AI to Build Scaffolded MCQs for Film Critique</p> <p>Sahar Riyad Hamzah Arabian Gulf University, Kingdom of Bahrain</p>

**Session Group Photo & Best Presentation Award**

# Poster Session A

March 28<sup>th</sup> | 13:30-15:00 | Entrance Hall

- **Innovative Applications of AI-Empowered Intelligent Information Technology and Emerging Interdisciplinary Scenarios**
- **Chairperson: Prof Dr Shuliang Li, Loxbridge High-Tech Forum, UK**

\*Note: Please paste poster on the designated display board at least 10 minutes before the session starts. Please take it away after the session, otherwise conference team will dispose the posters.

<b>P01</b> MT26-3063	Human-AI Cooperation in an Italian Consulting Firm: Starting Points, Perspectives and Guidelines for an Effective and Sustainable Digital Transition Martina Marinelli Università degli Studi "Niccolò Cusano", Italia
<b>P02</b> MT26-3073	A Proto-Agentive AI System for Cross-Category Recommendation in Retail Media Networks Delia Nadarajah University of East London Docklands, UK
<b>P03</b> Loxbridge1	Trust Calibration and User Adoption in Human-AI Decision Making: Evidence from Accurate, Erroneous, and Noisy AI Feedback Shiyu Guo Zhengzhou University, China
<b>P04</b> MT26-3083	A Hidden Markov Model Framework for Fine-Grained Detection of AI-Generated Text Ahmad Hashemi Carleton University, Canada
<b>P05</b> MT26-3197	Explainable and Fair Machine Learning Framework for Predicting Type 2 Diabetes Risk Johnson Ogbonnaya University of Greater Manchester, UK
<b>P06</b> MT26-3163	Copula-Based Mixed-Frequency Vector Autoregression and its State-Space Extensions Xie He Tokyo University of Science, Japan
<b>P07</b> MT26-3064	Reasoned Rule Mining (RRM): A Principled Two-Stage, Calibrated Log-Odds Framework for Founder Success Prediction Jack Preuveneers University of Oxford, UK
<b>P08</b> MT26-3067-A	Finding the Value of Mixed Frequency data: Corporate Distress Prediction with Deep Learning Jingyi Peng Chongqing University, China

<b>P09</b> MT26-3080	A Unified Data-Driven Framework for Sustainable Retail Decision-Making Niharika Surendra Deokar University of Bristol, UK
<b>P10</b> MT26-3103	Synthetic Personas for Enhanced Customer Interaction in Innovation: An LLM-Based Approach Christian Graulund, Niklas Andersen Aarhus University, Denmark
<b>P11</b> MT26-3087	Digital Accounting Practices and SME Growth in the Sultanate of Oman: Opportunities and Challenges Mariya Ahmed Al Jabri University of Technology and Applied Sciences, Oman
<b>P12</b> MT26-3109-A	ERP Systems as Key Tools for Information Management in Modern Business Organizations Paweł Drogi Polish-Japanese Academy of Information Technology Warsaw, Poland
<b>P13</b> MT26-3123	Towards a Systematic Dynamic Calculation of Material Carbon Footprints Through Harmonized Material Taxonomies and Enterprise Resource Planning Data Integration Naila Rana Andira OFFIS e.V., Germany
<b>P14</b> MT26-211E	Designing the Integrated Model for IT Service Management Matej Mihaljević University of Zagreb, Croatia
<b>P15</b> MT26-3013	Lean 4.0 design to increase the productivity of the carton manufacturing process Miriam Bravo-Orellana, Yessica Velayarce Universidad Peruana de Ciencias Aplicadas, Peru
<b>P16</b> MT26-3082-A	Building Resilient Data Solutions for the Energy Sector: Implementing a Global Data Platform at BBOXX Kashif Mir Mazer Ali BBOXX, UK
<b>P17</b> Loxbridge3	PyPSA-based Imitation Learning Framework for Multi-carrier Industrial Microgrids Ammar Ahmed Wafad Nottingham Trent University
<b>P18</b> MT26-3043-A	GAT-TCN Based Dynamic Correlation Network for Stock Index Trend Prediction Mengxiao Xu Chongqing University, China
<b>P19</b> MT26-3217	When Data-Driven Signals Fail: An Information Systems Perspective on Dis-count Asymmetry in Regulated Pharmacy Re-tail Markets Agnija Greizina University of Latvia, Latvia

<b>P20</b> Loxbridge2	The Global Mirror and Chinese Path for the Governance of Technology Data Security: An Analysis Based on Policy Frameworks Zheng Jing Zhengzhou University, China
<b>P21</b> MT26-3150-A	A Data-Informed Framework for Urban Public Health Crisis Prevention: Insights from a Global Meta-Narrative Review Ziyu Pei Chongqing University, China
<b>P22</b> MT26-3166-A	Reframing Value Stream Management for Information Coordination in Public Sector Projects Chaima ABID Hassan II University, Morocco
<b>P23</b> MT26-3050	Provider-Perceived Challenges of Health IT and Communication in Bangladesh Public Hospitals Wasib Bin Latif Universiti Putra Malaysia
<b>P24</b> MT26-210E	Enhancing Customer Awareness through AI-Driven Marketing Strategies: The Moderating Role of Trust in Ai in the banking sector Khaled Mohammed Alqasa Lusail University, Qatar
<b>P25</b> MT26-3056-A	An Information Management System for Predictive Operation and Maintenance of Wind Turbine Drivetrains Peng Cui, Liming Wang, Fangyi Li, Jianfeng Li, Yanyan Nie Shandong University, China
<b>Session Group Photo &amp; Best Presentation Award</b>	

# Poster Session B

March 28<sup>th</sup> | 16:00-17:30 | Entrance Hall

- Curriculum Design and Smart Education Management Based on Intelligent Tutoring Systems
- Chairperson: Dr. Yu Zhao, Tokyo University of Science, Japan

\*Note: Please paste poster on the designated display board at least 10 minutes before the session starts. Please take it away after the session, otherwise conference team will dispose the posters.

<b>P01</b> MT26-137A	When Things Fall Apart: Rescuing Students' Academic Performance in Geometry with the 5I Flipped Classroom Model Ola Tokunbo Odekeye University of the Free State, South Africa
<b>P02</b> MT26-3227	Using (robust) Machine Learning Techniques for the Prediction of (Future) Process Behaviour Felix Schmedes OFFIS e.V., Germany
<b>P03</b> MT26-3113-A	Digital platforms and innovation relationship : Proposal of a conceptual framework based on a systematic literature Review Mehdi Mourafiki Institut National des Postes et Telecommunications, Morocco
<b>P04</b> MT26-178A	Designing English Language Learning Activities through ClassDojo and Their Effect on Sixth Grade Students' Motivation and Achievement Aysha Fuad Albureshaid Arabian Gulf University, Bahrain
<b>P05</b> MT26-180	Engineering-Based Educational Technology for Integrated STEM Learning: A Five-Component Model from Resource Constrained Contexts Nnamdi Nwachukwu Credoville, Nigeria/United Kingdom
<b>P06</b> MT26-3055	Spatio-temporal Encoding for Descriptive Text Generation Shin Ando Tokyo University of Science, Japan
<b>P07</b> MT26-188A	The relationship Between Navigating Digital Learning Stations Patterns Based on Virtual Robot Programming and Computational Thinking Skills: A Theoretical Study Abdulaziz Mohamed Salama Arabian Gulf University, Bahrain
<b>P08</b> MT26-3136	Dual-Logic Readiness (DLR-HE): Bridging Pedagogy and Enterprise for Digital Transformation in UK Universities Yasser Omar Abdallah University of Greenwich, UK

<b>P09</b> MT26-182A	Perceptions of Gamification in Education: Evidence from a Developing Country Context Budour Misad Almisad College of Basic Education, Public Authority for Applied Education and Training, Kuwait
<b>P10</b> MT26-175A	The Impact of Blended Training on the Development of Digital Transformation Competencies among Employees in the State of Kuwait Kifaya Adnan Hakem Gulf University, Bahrain
<b>P11</b> MT26-162	The Effect of an AI-Based Digital Learning Module on Motivation and Achievement in a Linguistic Training (Arabic Grammar) Course at Kuwait University Amani Ali Al-Shaheen Arabian Gulf University, Bahrain
<b>P12</b> MT26-116	Calibrating Algorithmic Judgment: A Hybrid Agentic Framework for Subjective Competency Assessment with Human-AI Collaboration Daisy Cristine Albuquerque da Silva Military Institute of Engineering, Brazil
<b>P13</b> MT26-164	Developing Project Management Competencies: An AI-Driven TPACK Training Program for the Construction Training Institute in Kuwait Kawthar Ahmad Jafar Arabian Gulf University, Bahrain
<b>P14</b> MT26-117A	Gender trolling dynamics on an online collective intelligence platform: an analysis based on gender segmentation Sonia Valero-Tapia University of Zaragoza, Spain
<b>P15</b> MT26-190	The Effect of AI-Powered Chatbots and Prompt-Engineering Frameworks on English Speaking Proficiency and Speaking Anxiety among Medical Students Fatema Mohamed Albaqali Arabian Gulf University, Kingdom of Bahrain
<b>P16</b> MT26-3221	Can We Just Text? Rethinking Employee Voice in Computer-Mediated Communication Syafiq Ayop Universiti Poly-Tech Malaysia
<b>P17</b> MT26-184	Design and Evaluation Framework for a Custom GPT Model for Teaching the Kuwaiti Arabic Dialect Zahra Reda Arabian Gulf University, Bahrain
<b>P18</b> MT26-3224	Development of a Personalised Cybersecurity Learning System with Knowledge Graph Masayuki Higashino Tottori University, Japan
<b>P19</b> MT26-160	A Systematic Review: The Impact of Virtual Patient Simulation on Communication Related Competencies and Learner Experience in Psychiatric Education Zahraa Hassan Ali Shehab Arabian Gulf University, Bahrain

<b>P20</b> MT26-3167	A Domain Oriented RAG Based Question Answering System for Sensor Knowledge Ze Zhang Fudan University, China
<b>P21</b> MT26-1101	The Digital Evolution of Sports Nutrition Education: A Review of Tools, Trends, and Challenges Maryam H Alarfaj Arabian Gulf University, Kingdom of Bahrain
<b>P22</b> MT26-147	The Living Studio: Architecture as a Science of Diplomacy Arxhenda Lipovica Department for Architecture and Urban Studies (DASTU), Italy

**Session Group Photo & Best Presentation Award**

# Session 5

March 28<sup>th</sup> | 16:00-18:00 | Seminar Room A

- **AI-Empowered Information System Design and Intelligent Decision-Making Methods**
- **Chairperson: Assoc.Prof. Jalal Ahamed, University of Skövde, Sweden**

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16:00-16:15	<p><b>MT26-3010</b> Developing Practical Criteria for Robotic Process Automation (RPA) Tool Evaluation</p> <p>Mutlaq Bader Aldajani Imam Mohammad Ibn Saud Islamic University (IMSIU), Saudi Arabia</p>
16:15-16:30	<p><b>MT26-3068</b> From Design to Empirical Validation: A DSR-Based Evaluation of AI-Powered Observability in Enterprise Architecture</p> <p>Aissa Toumi TBS Education, France</p>
16:30-16:45	<p><b>MT26-3074</b> Enhancing Customer Loyalty through AI Chatbot Service Quality: Evidence from Malaysia's Food Service Industry</p> <p>Al Chin Thoo Universiti Teknologi Malaysia, Malaysia</p>
16:45-17:00	<p><b>MT26-3097</b> Optimising Marketing Decision-Making through Advanced Data Management Techniques in Digital Ecosystems: A Systematic Literature Review</p> <p>Jude Osakwe Namibia University of Science and Technology, Namibia</p>
17:00-17:15	<p><b>MT26-3062</b> A Neuromorphically-Inspired Novel Perspective: "Never Filling" Next Generation "Living" Data Storage Systems</p> <p>Devesh Khanna, Deevanshi Bhatt, Naeem Mohammad Defence Institute of Advanced Technology, India</p>
17:15-17:30	<p><b>MT26-3071</b> Increasing Interoperability of Digital Information Exchange with Translator Services Injected into Business Processes</p> <p>Katriina Vartiainen Tampere University, Finland</p>
17:30-17:45	<p><b>MT26-125A</b> Reskilling in the age of AI: The changing spectrum of work industry and AI jobs</p> <p>Khaula Zeeshan University of Jyväskylä, Finland</p>
17:45-18:00	<p><b>MT26-3042</b> Prototyping Efficient Object Detection for Autonomous Driving on Low-Power Devices</p> <p>Erfan Abdolmaleki University of East London, UK</p>

**Session Group Photo & Best Presentation Award**

# Session 6

March 28<sup>th</sup> | 16:00-18:00 | Andrew Cormack

- **Intelligent Information Systems and Smart Management Based on Multimodal Data Fusion**
- **Chairperson: Dr. Irum Feroz, University of Greater Manchester, UK**

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16:00-16:15	<b>MT26-3084</b> Digital Twins for Sustainability in Critical Infrastructures: A Case Study on Technology Acceptance Maria Al Amri Wageningen University & Research, Netherlands
16:15-16:30	<b>MT26-3039</b> A Framework for Multi-Cap Quantitative Trading with Transformers and Sentiment Data Stevena Aleva University of East London, UK
16:30-16:45	<b>MT26-3159</b> Are Large Language Models good legal advisors? A Spanish case of study Jaime González-González Universidade de Vigo, Spain
16:45-17:00	<b>MT26-3110</b> Quantum Information Synchronization for Reliability Across Multi Agent Quantum IoT Duggineni Veeraiah Lakireddy Bali Reddy College of Engineering, India
17:00-17:15	<b>MT26-3040</b> FAW-YOLO: A Deep Learning Solution for Protecting Maize Crops from Fall Armyworm Hussein Shekhey University of East London, UK
17:15-17:30	<b>MT26-142A</b> Thinking Alongside Machines: A Two-Phase, Neuroinclusive Study of First-Year Writers Using Generative AI Jeanne Beatrix Law Kennesaw State University, United States
17:30-17:45	<b>MT26-3044</b> A Conceptual Model of a Service-Oriented Middleware for Smart City Applications (SOMSCA) with Data Analytics & Visualization Zulfiqar Ali University of East London, UK
17:45-18:00	<b>MT26-3104</b> Hybrid data-driven Ensemble Learning Framework Combining Random Forest and Recurrent Neural Networks for Accurate Precipitation Forecasting Sa'ed Abed Kuwait University, Kuwait

**Session Group Photo & Best Presentation Award**

# Session 7

**March 28<sup>th</sup> | 16:00-18:00 | Seminar Room 13**

- **Key Technologies for Cyberspace Security Protection and Information Security Governance**
- **Chairperson: Prof. Michele Della Ventura, Accademia Musicale Studio Musica, Italy**

\*Note: The schedule of each presentation is for reference only. Authors are required to attend the whole session, in case there may be some changes on conference day. Please join in the room 5-10 minutes earlier.

16:00-16:15	<b>MT26-3045</b> PrivacyRisq: Real-world Incident Severity & Quantification for Privacy Risk Assessment Mevre Tunca Fraunhofer FOKUS, Germany
16:15-16:30	<b>MT26-3122</b> An SDN-Driven Supervised Machine Learning Model for Network Traffic Classification and Integrated IDS – IPS Mechanisms with Statistical Validation Bose S Anna University, India
16:30-16:45	<b>MT26-3120</b> Metadata Card-based Analysis of Software Systems for Regulatory Compliance Check Ali Mehraj Tampere University, Finland
16:45-17:00	<b>MT26-3041</b> MA-ST-TGN: Memory-Augmented Spatiotemporal Temporal Graph Network for Advanced Fraud Detection Idowu Ibitayo Olubanke University of East London, UK
17:00-17:15	<b>MT26-3076</b> Greenwashing vs. Authentic Sustainability: The Impact of AI-Detected Misrepresentation on Consumer Trust and Brand Loyalty Şeyda OK OSTİM Technical University, Türkiye
17:15-17:30	<b>MT26-3125</b> QPINN-Sec: A Hybrid Quantum-Enhanced Physics Informed Neural Network for Intrusion Detection and Secure Data Sharing in IoMT Systems Bose S Anna University, India
17:30-17:45	<b>MT26-118A</b> Comparing the emergence of trolling responses against cyberbullying between primary and secondary school stages: an experiment based on collective intelligence Pablo Bautista Alcaine University of Zaragoza, Spain
17:45-18:00	<b>MT26-3046</b> Towards Traceable Meaning in Information Systems Deo munduku LAMSADE, Paris Dauphine University – PSL, France

**Session Group Photo & Best Presentation Award**

# Session 8

March 28<sup>th</sup> | 16:00-18:00 | Seminar Room 14

- Immersive Smart Learning Environments and Multimodal Learning Mechanisms
- Chairperson: Dr. Evgeny Pyshkin, University of Aizu, Japan

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16:00-16:15	<p><b>MT26-105A</b> Simulated Court Hearings: Utilising a virtual courtroom to enhance the teaching and learning of police officers.</p> <p>Ahmed Kadry The Open University, United Kingdom</p>
16:15-16:30	<p><b>MT26-129</b> Multimodal Immersive Language Learning: A Framework Linking AR/VR Features with Language Skill Development</p> <p>Saima Mehboob University Aldo Moro Bari, Italy</p>
16:30-16:45	<p><b>MT26-189</b> Enhancing Occupational Road Safety through Virtual Reality. An Innovative OSH Training Approach from Italy: Preliminary results</p> <p>Donatella Livia Maria Vasselli INAIL, Italy</p>
16:45-17:00	<p><b>MT26-111A</b> Merging Traditional Kintsugi Art and Modern Technology for Reconstruction of Applied Art Objects: Lessons Learned, Educational Impact, and Perspective Novel Applications</p> <p>Evgeny Pyshkin University of Aizu, Japan</p>
17:00-17:15	<p><b>MT26-1105</b> Learning Achievement - Adoption of Artificial Intelligence in Higher Education</p> <p>N.Sornakumari Madras Christian College, India</p>
17:15-17:30	<p><b>MT26-115A</b> Metacognitive Awareness of Students in Higher Education - Evidence from Austria</p> <p>Sladjana Vasojevic University of Innsbruck, Österreich</p>
17:30-17:45	<p><b>MT26-179</b> Exploring the Alignment of Institutional, Program, and Course Learning Outcomes in a Master' s Program in Digital Education: A Case Study of Arabian Gulf University</p> <p>Alajab Mohammed Ismail Arabian Gulf University, Bahrain</p>
17:45-18:00	<p><b>MT26-151A</b> Viewing AI Through the Lens of Asperger-Like Cognitive Style: A Pedagogical Metaphor for Effective Communication</p> <p>Ariyoshi Kusumi Chukyo University, Japan</p>

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# Session 9

March 29<sup>th</sup> | 8:00-10:15 | <https://us02web.zoom.us/j/82127361120>

- Intelligent Detection of Fraudulent Behavior and Information Security Risk Analysis
- Chairperson: Dr.Meng Xue, Xi'an University of Technology, China

\*Note: The schedule of each presentation is for reference only. Authors are required to attend the whole session, in case there may be some changes on conference day. Please join in the room 5-10 minutes earlier.

8:00-8:15	<b>MT26-3226</b> Automated Multi-Source Debugging and Natural Language Error Explanation for Dashboard Applications Mona Rajhans Palo Alto Networks, USA
8:15-8:30	<b>MT26-3107</b> Mitigating Class Imbalance Issues in Electricity Theft Detection via a Probability-Distance Sample-Weighted Loss Ning Xue Shanghai University of Electric Power, China
8:30-8:45	<b>MT26-3098</b> Cognitive Security and Reliability Co-Management in Software Development Pipelines Santosh Datta Bompally Webster University, USA
8:45-9:00	<b>MT26-3176</b> Data-Driven Adaptive Learning Platform for Gamified Cybersecurity Awareness Chanphot Wongtaweessup Asian Institute of Technology (AIT), Thailand
9:00-9:15	<b>MT26-3081</b> Study and Analysis of Quantum Amplitude Estimation without Phase Estimation Sensitivity and Stability Doaa Subhi Budapest University of Technology and Economics, Hungary
9:15-9:30	<b>MT26-3126</b> Toward Semantic Interoperability in Mental Health: A Model for Cross-Mapping to SNOMED-CT Tiago F. Pereira CCG/ZGDV, Portugal
9:30-9:45	<b>MT26-3187</b> An Applied Database-Centric Integration Architecture for Public-Sector Enterprise Systems Rajeev Kumar Banasthali Vidyapith, India
9:45-10:00	<b>MT26-3139</b> AI Technology Diffusion in Archival Practice: Trends, Networks, and Pathways Xiaoting Chen Renmin University of China
10:00-10:15	<b>MT26-3165-A</b> Understanding how generations shape familiarity and adoption of artificial intelligence: Evidence from Moroccan managers Elhalkouj Imane Ibn Tofail University, Morocco

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# Session 10

March 29<sup>th</sup> | 10:30-12:45 | <https://us02web.zoom.us/j/82127361120>

- Smart City Governance Systems and Intelligent Public Management Solutions
- Chairperson: Prof. Adriane Brent S. Castro, Angeles University Foundation, Philippines

\*Note: The schedule of each presentation is for reference only. Authors are required to attend the whole session, in case there may be some changes on conference day. Please join in the room 5-10 minutes earlier.

10:30-10:45	<b>MT26-3026</b> Leveraging Information Systems for Inclusive Workplace Transformation: An Evaluation of E-Learning and Operational Platforms at PT Mitra Adiperkasa Tbk Lu Lilan Hasanuddin University, Indonesia
10:45-11:00	<b>MT26-3061</b> Measurement of Value Co-creation Level, Regional Differences, and Obstacle Factors of Public Library Smart Services in China Hanqing Zhang Zhengzhou University, China
11:00-11:15	<b>MT26-3219</b> A Decision Support System for Regulatory Compliance in Telecommunications: Machine Learning – Based License Fee Default Prediction in a Low-Resource Context Samuel Chol Buol Nelson Mandela African Institution of Science and Technology, South Sudan
11:15-11:30	<b>MT26-3145-A</b> From Screens to Plates: How Social Media Shapes Food Choices and Public Health in Kuwait Abrar Alhasan Kuwait University, Kuwait
11:30-11:45	<b>MT26-3009</b> The AI Ethical Issues in the Application of the Internet of Things (IoT) in Smart Cities Mingtian Dai Zhejiang Gongshang University, China
11:45-12:00	<b>MT26-3204</b> A Bibliometric Review of Sustainable and Intelligent Urban Last-Mile Delivery Systems: The Green Evolution from Electric Vehicles to Drones Yutong Ha Inha University, Republic of Korea
12:00-12:15	<b>MT26-3028</b> Case study analysis in a distribution center: application of Flying V layout and TOC to reduce dispatch times in the retail sector Antuanette Tornero-Quiroz Universidad Peruana de Ciencias Aplicadas, Peru
12:15-12:30	<b>MT26-3066</b> On Driving Factors and Configuration Path of User Participation in Data Governance Behavior on Open Government Data Platforms in China Xingyue Li Zhengzhou University, China
12:30-12:45	<b>MT26-3208</b> Platform Innovation and Government Subsidies in Intelligent Connected Vehicles: A Two-Sided Market Analysis Feiran Chen Guangdong Academy of Social Sciences, China

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# Session 11

March 29<sup>th</sup> | 13:00-15:15 | <https://us02web.zoom.us/j/82127361120>

- **AI-Driven Innovative Applications in Smart Education and Public Services**
- **Chairperson: Dr. Khairi Azhar Aziz, Universiti Tenaga Nasional, Malaysia**

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13:00-13:15	<b>MT26-3194</b> Empowering University Counselors with AI: Pathways and Ethical Challenges Lin Shi Wuhan University of Technology, China
13:15-13:30	<b>MT26-3196</b> Enhancing Reliability of GPT-Based Tutoring Information Systems: Comparing Document and Retrieval-Augmented Methods Richa Kakati Asian Institute of Technology, Thailand
13:30-13:45	<b>MT26-185</b> Project-Based Learning in STEM: Effects of Hands-On PoPBL Activities on Schoolchildren' Scientific Motivation Abigail Belen Lopez Tarqui Universidad Privada del Valle, Bolivia
13:45-14:00	<b>MT26-3119</b> Tap & Track: NFC-Based University Property Management System Jansen Earl Venal Angeles University Foundation, Philippines
14:00-14:15	<b>MT26-166A</b> Enhancing Teacher Personalized Reflection on Teaching Using Human-Centric AI Collaboration Choon Lang Gwendoline Quek National Institute of Education, Nanyang Technological University, Singapore
14:15-14:30	<b>MT26-3075</b> Research on Financing Strategies for Capital-Constrained Manufacturers under Carbon Emission Reduction Policies Meng Xue Xi'an University of Technology, China
14:30-14:45	<b>MT26-3170</b> Micro-to-Macro Persuasion-Fit Scaling on Customer Data Platform: Scaling Scarcity via Paid-Media Look-alike Audiences Issaret Prachitmutita Asian Institute of Technology, Thailand
14:45-15:00	<b>MT26-3199</b> Social Media Doomscrolling: Drivers, Design, and Demographics John Byron Tuazon De La Salle University, Philippines
15:00-15:15	<b>MT26-181A</b> Comparing Gamified and Traditional Discrete Trial Instruction for Teaching Letter Identification and Emergent Letter Labeling in Children with Developmental Disabilities Hazim Aal Ismail Arabian Gulf University, Bahrain

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