On site Activities (preliminary) Program

IARIA 2025 Congress and DigiTech 2025 Congress

Conference Hotel
Conference Venue Location
The conference will be online and on location at

NOVOTEL VENEZIA MESTRE CASTELLANA
Via Ceccherini 21
30174 Venezia Mestre

📞 +39 041 506 6511

🖨 +39 041 940620

✉ H3307@accor.com

Updated as of June 12, 2025.

The program will be continuously updated.

IARIA Congress 2025: https://www.iaria.org/conferences2025/IARIACongress25.html

DigiTech 2025: https://www.iaria.org/conferences2025/DigiTech25.html

Timezone converter: https://www.worldtimebuddy.com

Session conference rooms	Room A	Room B
Plenaries	Room A	

Sunday, July 6

12:00	**Registration starts** The registration desk is located in front of the conference rooms Open for the duration of the conference
14:00 - 14:15	**Welcome Opening Session**
14:15 - 15:15	**Tutorial Lecture** **Theme:** Vector Databases: A Beginner's Guide **Speaker** Prof. Dr. Olaf Herden, Cooperative State University Baden-Wuerttemberg, Germany **Chair** Petre Dini
15:15 - 15:45	**Coffee Break**
15:45 - 16:45	**Tutorial** **Theme:** Revisiting LLMs - Semantic Mismatching, Licensing Schemes, and Uncertainty Estimation of LLMs **Speaker** Prof. Dr. Petre Dini, IARIA, EU/USA **Chair**

	Olaf Herden
15:45 - 16:15	Coffee
16:00 - 17:00	**Open Discussion #1** **Theme:** Digital Space vs. Open Space **Coordinator**: Ad hoc
17:15 - 17:45	Coffee
17:45 - 18:45	**TBD**
19:00 - 20:00	**Welcome Cocktail**

Monday, July 7

09:00 - 10:00	**Keynote Speech** **Theme:** Detection and Diagnosis of Lesions in Medical Imaging with Ultra-lightweight Deep Learning Models **Speaker** Prof. Dr. Kenji Suzuki, Institute of Science Tokyo, Japan **Chair**
10:00 - 10:30	**Coffee Break**
10:30 - 12:15	**Session 1 [IoTAI, DIGITAL]**	**Session 8 [IARIA/SENSROB]**
12:15 - 12:30	**Coffee**
12:30 - 13:15	**Open Discussion #2** **Theme:** From LLMs to LCMs: Managing Concepts Assets **Coordinators:** Ad hoc
13:15 - 15:00	Lunch on your own
15:00 - 16:45	**Session 2 [DIGITAL/PGAI]**	**Session 9 [IARIA, IoTAI, DIGITAL]**
16:45 - 17:15	**Coffee break**
17:15 - 19:00	**Panel #1** **Theme:** Human Interaction in the Digital Era **Moderators** Prof. Dr. Claudia Heß. IU Internationale Hochschule, Germany Prof. Dr. Sibylle Kunz. IU Internationale Hochschule, Germany **Panelists** TBD

Tuesday, July 8

09:00 - 10:00	**Keynote Speech** **Theme:** Fighting Fire with Fire: Developing AI-enhanced Methodologies to Combat AI-enhanced Cognitive Threats **Speaker** Prof. Dr. Nitin Agarwal, University of Arkansas - Little Rock, University of California, Berkeley, USA **Chair** Erik Buchmann
10:00 - 10:30	**Coffee Break**

10:30 - 12:15	Session 3 [DIGITAL]	Session 10 [IARIA, DIGITAL]
12:15 - 12:30	Coffee	
12:30 - 13:30	**Keynote Speech** **Theme:** When Johnny Needs an Expert: LLMs to the Rescue or Rather not? **Speaker** Prof. Dr. Erik Buchmann, Leipzig University, Germany **Chair** Nitin Agarwal	
13:30 - 15:00	Lunch on your own	
15:00 - 16:45	Session 4 [AIMEDIA]	Session 11 [DIGITAL, IARIA]
16:45 - 17:15	Coffee break	
17:15 - 19:00	**Panel #2** **Theme:** Advances in Recognition Systems **Moderator** Prof. Dr. Alexander Lawall, IU International University of Applied Science, Germany **Panelists** TBD	

Wednesday, July 9

09:00 - 10:00	**Keynote Speech** **Theme:** The Algorithmic Turn in Media: From Deepfakes to Generative Breakthroughs **Speaker** Prof. Dr. Stephan Böhm, RheinMain University of Applied Sciences, Germany **Chair** Júlio Monteiro Teixeira	
10:00 - 10:30	Coffee Break	
10:15 - 12:00	Session 5 [AIMEDIA]	Session 12 [IARIA]
12:00 - 12:15	Coffee	
12:15 - 13:15	**Keynote Speech** **Theme:** The Power of Generative AI: What We Learned from Global Hackathons and Scientific Research **Speaker** Prof. Dr. Júlio Monteiro Teixeira, Federal University of Santa Catarina (UFSC), Brazil **Chair** Stephan Böhm	
13:15 - 14:30	Lunch on your own	
14:30 - 16:15	Session 6 [AIMEDIA]	Session 13 [IARIA]
16:15 - 16:30	Coffee break	
16:30 - 18:15	Session 7 [AIMEDIA]	N/A
18:15 - 18:30	Coffee	
18:30 - 20:15	**Panel #3** **Theme:** AI-powered Creative Content at Crossroads **Moderator** Prof. Dr. Matthias Harter, Hochschule RheinMain, Germany **Panelists** TBD	

20:15 - 23:30	**Conference Dinner** **Novotel Hotel**

Thursday, July 10

09:00 - 10:45	**Panel #4** **Theme:** AIMEDIA Business Innovation **Moderator** Prof. Dr. Stephan Böhm, RheinMain University of Applied Sciences, Germany **Panelists** TBD
10:45 - 11:15	**Coffee Break**
11:15 - 13:00	**Session 14 [IARIA]**
13:00 - 13:30	**Coffee Break**
13:30 - 14:30	**Tutorial** **Theme:** Business Models for SME in the AI Era **Speaker** Prof. Dr. Petre Dini, IARIA, EU/USA
14:30 - 15:00	**Closing Session / Farewell**

Recommended tourist objectives to be visited on your own:

Note: There is a bus from near-by Novotel Venezia-Mestre Castellana to Piazzale Roma (twice/hour)

An updated timetable is provided by the hotel.

From: Piazzale Roma

(i) via public transportation
Grand Canal by public Vaporetto Lines

(ii) by Walking (narrow streets)
Scuola Grande di San Rocco
Frari Church
Rialto Bridge
Food Market of Rialto
Former Financial District of Venice
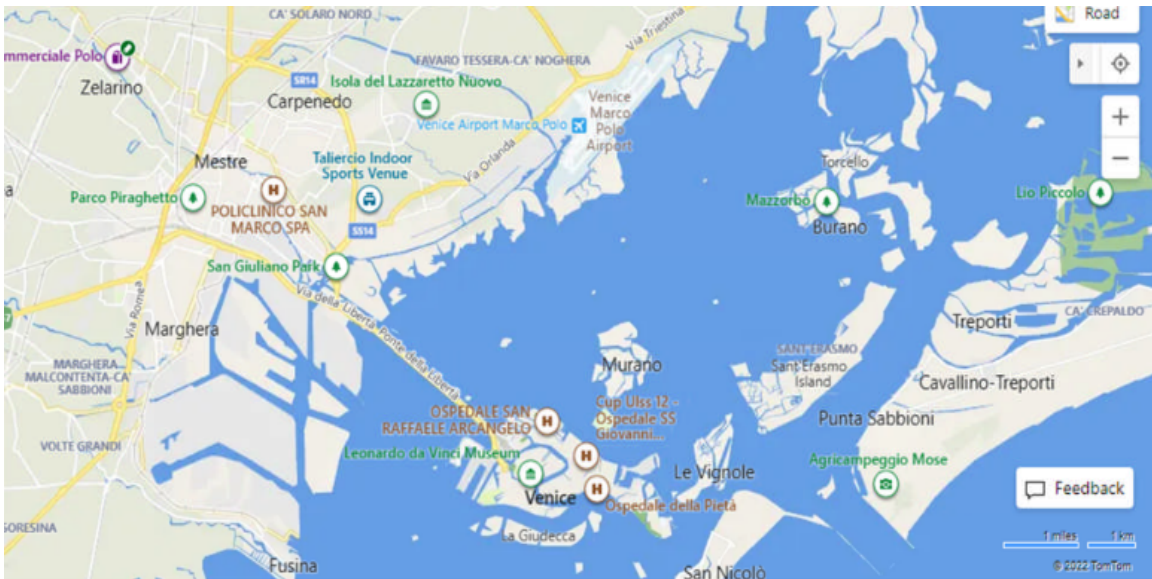Fenice Opera House
Church of San Marco
Dodges' Palace
San Marco Belltower
San Marco Piazza

(iii) Recommended
From San Marco Plaza – three islands: Murano, Burano, and Torcello.

SESSIONS

Session 1 [IoTAI, DIGITAL]
Session Chair: Larissa Bartok

20019 Enhancing Bike-sharing Demand Forecasting: Anomaly Detection and Feature Selection in LSTM Networks
Pedro Nunes, University of Aveiro, Portugal

20038 Cybersecurity in Civil Aviation – Threat Landscape and Vulnerability Assessment of Attack Vectors
Alexander Lawall, IU International University of Applied Science, Germany

10063 On the Protection of Face Recognition Embedding
Gábor György Gulyás, Vitarex Stúdió Ltd., Hungary

20042 Marking, IOT Traceability and Data Acquisition System for shopfloor of Gas Boiler Factory
José Santos, University of Aveiro, Portugal

Session 2 [DIGITAL/PGAI]
Session Chairs: Sibylle Kunz, Claudia Hess

18001 Artificial Intelligence - Myth or Measurable? A systematic framework to determine AI-induced productivity gains
Sibylle Kunz, IU International University, Germany

18002 The Diversity of Students as a Challenge of AI Adoption in Boosting Efficacy of Study Programmes
Larissa Bartok, University of Vienna, Austria

10029 Exploring the Influence of Technology Exposure on Computer Science Self-Concept: A study among young adults in Germany
Claudia Hess, IU International University of Applied Sciences, Germany

Session 3 [DIGITAL]
Session Chair: Julio Monteiro Teixeira

10020 Learn, how digital transformation could diffuse into Organizations: Impact of Motivation and Innovation on digital competences and learning
Sandra Starke, BA School of Business and Finance, Germany

10038 Digital Transformation in the UK Government
Brian Gannon, IU Internationale Hochschule, Germany

10045 'What do young adults expect from social robots?
Cigdem Turhan, Atilim University, Turkey
Zühal Erden, Atilim University, Turkey

Session 4 [AIMEDIA]
Session Chair: Brian Gannon

40028 Empowering Persona Creation in Small Organizations: Evaluating ChatGPT 4o for Clustering and Analysis using PersonaCraft
Julio Monteiro Teixeira, UFSC, Brazil

40036 Measuring Usability and User Experience with Eye-Tracking: Predicting Pragmatic and Hedonic Quality using Machine Learning
Fabian Engl, OTH Regensburg, Germany

40046 Grounding on Shaky Ground: Wikipedia's Legal Articles, Editorial Integrity, and the Risk of Data Poisoning in Artificial Intelligence
Matthias Harter, Hochschule RheinMain - University of Applied Sciences, Germany

40022 CNNs in Musical Performance and Arrangement: Recognizing and Managing Bowed Instrument Techniques Across Cultures
Xinyuan Zhu, The Chinese University of Hong Kong, Shenzhen, China

Session 5 [AIMEDIA]
Session Chair: Nitin Agarwal

40054 Evaluating AI editing Algorithms for Video News Reporting
Caspian Jade Moosburner, RheinMain University, Germany

40066 The Future of Learning as a Path to Meaning: Immersive Foresight as an Experimental Tool for Purpose Discovery
Iuliana Adina Apostol, Independent Consultant and Innovator, Germany

40070 Empowered or Exposed? The Tension Between Human Agency and Gen-AI Automation in Creative Industries
Laura Hesse, Bauhaus-Universität Weimar, Germany

Session 6 [AIMEDIA]
Session Chair: Laura Hesse

40106 Exploring Human-AI Collaboration in Creative Workflows: A Case Study on Acceptance and Efficiency in Brand Design
Katerina Vavatsi, RheinMain University of Applied Sciences, Germany

40115 From Metadata to Meaning: GPT-4 Reveals Bias Trends in YouTube
Nitin Agarwal, COSMOS Research Center, University of Arkansas at Little Rock; ICSI, University of California, Berkeley, USA

48001 Human-AI Collaboration and Creative Skills: A Panel-based Industry Study from the Germany Media Sector
Paul Heß, RheinMain University of Applied Sciences, Germany

Session 7 [GPTMB]
Session Chair: Iuliana Adina Apostol

30002 Designing A New Graduate Course in Artificial Intelligence for Cybersecurity
Ping Wang, Robert Morris University, USA

30012 'Retrieval Performance in RAG Systems: A Component-Level Evaluation Framework with Synthetic Datasets
Thomas Zoeller, IU International University of Applied Sciences, Germany

30021 Assessing the Capabilities of Large Language Models in Translating American Sign Language Gloss to English
Andras Horvath, Peter Pazmany Catholic Unviersity, Hungary

Session 8 [IARIA/SENSROB]
Session Chair: Andre Schneider de Oliveira

50098 Methodology for Integrated Mapping of Radiation and Light Intensity in Power Transmission Lines
Ronnier Frates Rohrich, UTFPR, Brazil

50100 RGB-D Object Classification System for Overhead Power Line Maintenance
Ronnier Frates Rohrich, UTFPR, Brazil

50143 System Integration of Multi-Modal Sensor for Robotic Inspection of Power Lines
Andre Schneider de Oliveira, UTFPR, Brazil

50148 A Novel Robotic Mechanism for Efficient Inspection of High-Voltage Transmission Lines
Andre Schneider de Oliveira, UTFPR, Brazil

Session 9 [IARIA, IoTAI, DIGITAL]
Session Chair: Thomas Zoeller

50077 Harnessing Eye-Tracking Technology to Analyze Gen Z's Engagement with Digital Marketing
Emad Bataineh, Zayed University, United Arab Emirates

20046 A Novel LoRa-Assisted Wi-Fi Data Transfer for Autonomous Agricultural Robots
Iman Esfandiyar, Łukasiewicz – PIT, Poland

10024 Enhancing Patient Care: Machine Learning's Role in Reducing Wait Times for Medical Procedures
Mohamad El-Hajj, MacEwan University, Canada

Session 10 [IARIA, DIGITAL]
Session Chair: Florian Allwein

50011 Deep Learning Approach for Shadow Removal Using Semantic Segmentation and Attention Mechanism
Shi-Jinn Horng, Asia University, Taiwan

50013 Applying an artificial neuromolecular system with autonomous learning capability to learn to control the movement of a six-axis robotic arm
Jong-Chen Chen, National Yunlin University of Science and Technology, Taiwan

10067 Greater effectiveness in citizen participation in smart cities: a legal perspective on adapting procedures to complexity, uncertainty, and ambiguity
José Miguel Martins Lucas, Universidade de Coimbra - Faculdade de Direito, Portugal

Session 11 [DIGITAL, IARIA]
Session Chair: Shi-Jinn Horng

10031 A Framework for Digital (Business) Processes
Florian Allwein, IU International University of Applied Sciences, Germany

50159 Early Response Prediction for H2 Sensors
Raduan Sarif, Bundesanstalt für Materialforschung und -prüfung, Germany

50036 Informational Analysis of Time Series of Sentinel-1 Vegetation Indices for Discerning Pest-affected Vegetation Sites: the case of Toumeyella parvicornis
Luciano Telesca, Institute of Methodologies for Environmental Analysis, Italy

Session 12 [IARIA]
Session Chair: Constantine Kotropoulos

50070 Concept of Ecosystem for Smart Agriculture: Millimeter-Wave Information-Centric Wireless Visual Sensor Network
Shintaro Mori, Fukuoka University, Japan

50082 AI Explain: AI-Generated Graphic Storytelling for Explaining AI Across Cultures
Petra Ahrweiler, TISSS Lab, Johannes Gutenberg University Mainz, Germany, Germany,

50117 Cooperation between Unmanned Aerial Vehicles and Wireless Cellular System
Vicente Casares Giner, Universitat Politècnica de València, Spain

Session 13 [IARIA]
Session Chair: Vicente Casares Giner

50134 Does Johnny Get the Message? Evaluating Cybersecurity Notifications for Everyday Users
Victor Jüttner, ScaDS.AI Dreden/Leipzig, Germany

50136 Quantized Rank Reduction: A Communications-Efficient Federated Learning Scheme for Network-Critical Applications
Constantine Kotropoulos, Aristotle University of Thessaloniki, Greece

Session 14 [IARIA]
Session Chair: Victor Jüttner

50112 Simultaneous Localization, Mapping, and Moving Object Tracking Using Helmet-Mounted Solid-State LiDAR
Masafumi Hashimoto, Doshisha University, Japan

50125 Malware Detection Using Machine Learning: A Comparative Analysis
Fan Wu, Tuskegee University, USA

50050 An Empirical Study on the Usage and Effectiveness of the Smart Coding Tutor in a Python Course
Nien-Lin Hsueh, Feng Chia University, Taiwan