

Onsite Activities (*Preliminary*) Program

DigitalWorld 2026 & NexComm 2026

Conference Hotel
Conference Venue Location
Conference will be mixed online and on location at

NOVOTEL Venezia Mestre Castellana
Via Ceccherini 21
30174 Venezia Mestre
Italy

Updated as of May 5, 2026

The program will be continuously updated.

DigitalWorld 2026: <https://www.iaria.org/conferences2026/DigitalWorld26.html>

NexComm 2026: <https://www.iaria.org/conferences2026/NexComm26.html>

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

| Time slots | Activity | |
|---------------|----------|----------|
| Meeting Rooms | A | B (main) |

Sunday, May 24

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| 12:30pm | Registration starts The registration desk is in front of the conference rooms. It is open during the entire conference. |
| 14:00 - 14:15 | Opening session |
| 14:15 - 15:15 | Keynote Speech Title: TBD Speaker: Prof. Dr. Rémy Houssin, University of Strasbourg ICube, France Chair: Juliette Mattioli |
| 15:15 - 15:30 | Coffee Break |
| 15:30 - 16:30 | Keynote Speech Title: AI Engineering: A Necessarily Condition to Deploy Trustworthy AI in Complex Systems Speaker: Dr. Juliette Mattioli, Thales, France Chair: Rémy Houssin |
| 16:30 - 16:45 | Coffee |
| 16:45 - 17:45 | Keynote Speech Title: TBD Speaker: TBD Chair: Lodewijk Arntzen |
| 17:45 - 18:00 | Coffee |

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| 18:00 - 19:00 | <p style="text-align: center;">Keynote Speech Title: Quantum Sensing - New Possibilities and Applications Speaker: Lect. Dr. Lodewijk Arntzen, The Hague University of Applied Sciences, The Netherlands Chair: Petre Dini</p> |
| 19:00 - 20:30 | Welcome Cocktail |

Monday, May 25

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| 09:00 - 10:00 | <p style="text-align: center;">Keynote Speech Title: Beyond the Algorithm: Implementing Clinical Decision Support at Scale in the AI Era Speaker: Svetlana Herasevich, MD, Assistant Professor of Anesthesiology, Mayo Clinic, USA Chair: Petre Dini</p> |
| 10:00 - 10:15 | Coffee Break |
| 10:15 - 12:00 | Session 1 [ICN] |
| 12:00 - 12:15 | Coffee |
| 12:15 - 13:15 | <p style="text-align: center;">Keynote Speech Theme: Tele-ICU 2046: From Remote Observation to Continuous Detection-and-Response Infrastructure Speaker: Vitaly Herasevich, MD, PhD, Professor of Anesthesiology and Medicine, Mayo Clinic, USA Chair: Lasse Berntzen</p> |
| 13:15 - 14:45 | Lunch on your own |
| 14:45 - 16:30 | Session 2 [PESARO] |
| 16:30 - 16:45 | Coffee Break |
| 16:45 - 18:15 | Session 3 [ALLDATA I] |
| 18:15 - 18:30 | Coffee |
| 18:30 - 20:00 | <p style="text-align: center;">Panel #1 Theme: Challenges and Perspectives for Sustainable Human–Machine Coexistence Moderator: Prof. Dr. Lasse Berntzen, University of South-Eastern Norway, Norway Panelists: TBD</p> |

Tuesday, May 26

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| 09:00 - 10:00 | <p style="text-align: center;">Keynote Speech Theme: Using AI to Teach High School Students how to Identify Fake News Speaker: Prof. Dr. Lasse Berntzen, University of South-Eastern Norway, Norway Chair: Petre Dini</p> |
| 10:00 - 10:30 | Coffee Break |
| 10:30 - 12:15 | Session 4 [ALLDATA II] |
| | Session 13 [ACHI I] |

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| 12:15 - 14:00 | Lunch on your own | |
| 14:00 - 15:45 | Session 5 [SOFTENG] | Session 14 [ACHI II] |
| 15:45 - 16:00 | Coffee Break | |
| 16:00 - 17:45 | Session 6 | Session 15 [DiA11yTech / SMART ACCESSIBILITY] |
| 17:45 - 18:00 | Coffee | |
| 18:00 - 19:30 | Panel #2 Theme: Integrating Data, Knowledge, and Graphs in AI-Driven Systems Moderator Dr. Eng. Gaëlle Lortal, Thales Group, France Panelists: TBD | |

Wednesday, May 27

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|---------------|--|---|
| 09:00 - 10:00 | Keynote Speech Theme: High Dynamic Range (HDR) Technology in Medical Imaging Speaker Dr. Simin Mirzaei, University of British Colombia, Canada Chair Paulo Cruvinel | |
| 10:00 - 10:30 | Coffee Break | |
| 10:30 - 12:15 | Session 7 [PSRAI I / PESARO] | Session 16 [eKNOW] |
| 12:15 - 14:00 | Lunch on your own | |
| 14:00 - 15:45 | Session 8 [PSRAI II / PESARO] | Session 17 [SMART ACCESSIBILITY] |
| 15:45 - 16:00 | Coffee Break | |
| 16:00 - 17:45 | Session 9 [PSRAI III / PESARO] | |
| 17:45 - 18:00 | Coffee | |
| 18:00 - 19:45 | Panel #3 Theme: Rethinking System Resilience in the Age of AI Moderator Dr. Juliette Mattioli, Thales, France Panelists: TBD | |
| 20:00 - 23:30 | Conference Dinner (Novotel Hotel) | |

Thursday, May 28

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| 09:00 - 10:00 | Keynote Theme: Overcoming Challenges in Agricultural Sensor Data Fusion Speaker: Prof. Dr. Paulo Cruvinel, Embrapa, University of São Paulo, Federal University of São Carlos, Brazil Chair Simin Mirzaei | |
| 10:00 - 10:15 | Coffee | |
| 10:15 - 12:00 | Panel #4 Theme: Advanced Sensing and Sensor Systems for Intelligent Environments Moderator | |

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|---------------|---|
| | Prof. Dr. Paulo Cruvinel, Embrapa, University of São Paulo, Federal University of São Carlos, Brazil Panelists: TBD |
| 12:00 - 12:15 | Coffee Break |
| 12:15 - 14:00 | Session 18 [ALLSENSORS] |
| 14:00 - 14:15 | Coffee |
| 14:15 - 15:45 | Session 19 [SPACOMM, eLmL] |
| 15:45 - 16:00 | Farewell & Closing Session & Coffee |

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 public transport timetable is provided by the hotel.

From: Piazzale Roma inside Venice City

(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

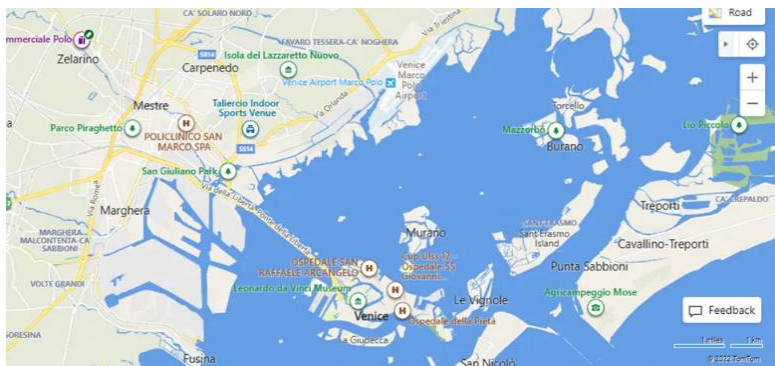
San Marco Belltower

San Marco Piazza

(iii) Recommended

From San Marco Plaza – three islands: Murano, Burano, and Torcello.

<https://www.venice-museum.com/murano-burano-torcello-islands-venice.php>



Session 1 [ICN] Monday A

Session Chair: Omar del Tejo

30002 A Study on Delay-Sensitive Information-Centric Wireless Sensor and Actuator/Actor Networks
Shintaro Mori, Fukuoka University, Japan

30007 Secure and Reliable Network Architectures for Modern Banking Systems
Maggou Saine, Access Bank Gambia, Gambia

30014 Combining Multicast ABR and Information-Centric Networking'
Toshihiko Kato, University of Electro-Communications, Japan

Session 2 [PESARO] Monday A

Session Chair: Maggou Saine

60020 Assessing prediction reliability for probabilistic pose estimation
Omar del Tejo, Catala Instituto Tecnológico de Informática, Spain

60026 Building Confidence: An Ontological Approach to Assurance of Safety-Critical Systems
Odd Ivar Haugen, DNV AS, Norway

60031 Artificial Intelligence Contributions to Extending the Current Limitations of Virtual Reality for Integrating Operator Safety in Early-Stage Industrial Machinery Design
Rémy Hossin, CNRS ICUBE UMR, France

Session 3 [ALLDATA I] Monday A

Session Chair: Rémy Hossin

80031 A Cross-source Topic Fusion and Multi-dimensional Synergistic Indicator Approach for Emerging Technology Identification
Haiyun Xu, Shandong University of Technology, China

80014 Classifying the Research Level of Scientific Articles with Fine-Tuned LLMs
Xiaomei Wang, Institutes of Science and Development, Chinese Academy of Science, University of Chinese Academy of Sciences, China

80038 Construction of a Causal Knowledge Graph for Research on Diabetes Comorbidities
Xiaoli Tang, Institute of Medical Information & Library Chinese Academy of Medical Science, China
Xueli Wu, Institute of Medical Information, Chinese Academy of Medical Sciences & Peking Union Medical College, China

Session 4 [ALLDATA II] Tuesday A

Session Chair: Selin Coban

80006 An AI-Ready Dataset for Organic Solar Cells Curated from Scientific Literature
Zhengyin Hu, University of Chinese Academy of Science, China

80010 Hybrid Intelligence Framework for Identifying Frontier Technologies through Project Linkage: A Case Study of DARPA Programs
Xiangli Zhu, National Science Library, Chinese Academy of Science, China

80024 Internationalization and Thematic Diversity of Data Usage within Open Research Infrastructures
Dong Lu, National Science Library, Chinese Academy of Science, China

Session 5 [SOFTENG] Tuesday A

Session Chair: Sara Rachid

90009 Knowledge Reuse in ML Prototyping: Insights from an Interview Study
Selin Coban, RWTH Aachen University, Germany

90036 Towards the Static Detection of Compromised Software Components by Topological Anomalies
Oscar de Paiva, University of São Paulo, Brazil

Session 6 [Placeholder] Tuesday A

Session Chair:

Session 7 [PSRAI I / PESARO] Wednesday A

Session Chairs:

Juliette Mattioli, Bertrand Braunschweig

Papers to be added

Session 8 [PSRAI II / PESARO] Wednesday A

Session Chairs:

Juliette Mattioli, Bertrand Braunschweig

Papers to be added

Session 9 [PSRAI III / PESARO] Wednesday A

Session Chairs:

Juliette Mattioli, Bertrand Braunschweig

Papers to be added

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60035 Using SORA Principles to Assess the Safety of Unmanned Traffic Management (UTM) Services
Sara Rachid, Thales, France

Session 10 [eLmL] Monday B

Session Chair: Yameng Guo

50004 Measuring Change - Evaluating Cybersecurity Awareness Before and After a Video-Based Learning Module

Alexander Lawall, IU International University of Applied Sciences, Germany

50009 Evolution of Educational Gamification Design: From Points-Based Systems to AI-Enhanced Narrative Integration

Alisha Janowsky, University of Central Florida, USA

50021 STEAME Learning with Entrepreneurial Mindset. Implementation in Hybrid Environments

Grigore Albeanu, Spiru Haret University, Romania

50013 One Size Fits None: Why AI Distrust in Education Depends on Who You Ask

Martha Hubertz, University of Central Florida, USA

Session 11 [ICDS, GEOProcessing] Monday B

Session Chair: Grigore Albeanu

10004 Social Media and Digital Politics in the Arab World [PRESENTATION]

Batal Almutairi, Arab Open University- Kuwait, Kuwait

10050 Designing a Data-Driven Decision Support System for Sustainable and Climate-Resilient Forest Management: Lessons Learned from the OptForEU Project
Lasse Berntzen, University of South-Eastern Norway, Norway

30010 Physics-Informed Signed Distance Fields for Flood Arrival Time Prediction and Evacuation Routing
Yameng Guo, Ghent University, Belgium

30018 Railway Sinkhole Detection: An Integrated Approach Combining Geomorphological Segmentation and Descriptor-Based Machine Learning
Maryem Bouali, ESTP-Paris, France

Session 12 [eTELEMED] Monday B

Session Chair: Vitaly Herasevich

40013 Feasibility of eHealth Problem-Solving Training (ePST) for Traumatic Brain Injury
Shannon Juengst, TIRR Memorial Hermann (Memorial Hermann Health System), USA

40021 Leveraging Mobile Health Technology to Identify Neurobehavioral Symptom Patterns in the First Year after Discharge from Inpatient Rehabilitation for Traumatic Brain Injury [PRESENTATION]
Shannon Juengst, TIRR Memorial Hermann (Memorial Hermann Health System), USA

Session 13 [ACHI I] Tuesday B

Session Chair: Lauren Forbes

20033 User Attention in the Interface: Comparative Eye-tracking Analysis of Website Buttons
Piotr Tokarski, Lublin University of Technology, Poland

20065 Conversational Web Browsing: Voice-Only Navigation
JingHua Ye, Munster Technological University, Ireland

20071 Dynamic Diorama: Narrative-Driven Orientation Modeling and Object Placement for VR
Furkan Çelen, Computer Engineering Dept. Istanbul Technical University, Turkey

20038 Visual Accessibility and Readability in User Interfaces: An Eye-Tracking Study
Karol Łazaruk, Lublin University of Technology, Poland

Session 14 [ACHI II] Tuesday B

Session Chair: Furkan Çelen

20048 Co-Designing A Low-Barrier Digital Platform for Culturally Diverse Communities
Lauren Forbes, University of Cincinnati, USA

20042 Mobile Applications for Students: Usability Without Barriers?
Piotr Tokarski, Lublin University of Technology, Poland

20060 Autonomous Mobile Robot Movement Algorithm with Human Collision Avoidance Perception
Kazuhisa Miwa, Nagoya University, Japan

20046 Impact Analysis of Microinteractions on User Experience in User Interfaces
Karol Łazaruk, Lublin University of Technology, Poland

Session 15 [DiA11yTech / SMART ACCESSIBILITY] Tuesday B

Session Chair: Kristina Deryagina

Papers to be added

Session 16 [eKNOW] Wednesday B

Session Chair: Zainab AL Harrasi

60008 Revaluation of Human Experts in AI Systems with Joint Interactive Modelling
Marjolein Deryck, KU Leuven, Belgium

60016 Generative AI as a Good Questioner: A RAG-Based Question Transformation Approach for Eliciting Tacit Knowledge in Software Development Organizations
Soonnam Shin, Keio University, Japan

60021 Genre Prediction Using RNN And LLM-Enhanced Video Game Review Data
Gabriel Young, University of Arkansas, USA

Session 17 [SMART ACCESSIBILITY] Wednesday B

Session Chair: Marjolein Deryck

80004 Embedding Accessibility into National Building Regulations: The Omani Building Code Experience
Zainab AL Harrasi, Ministry of Housing and Urban planning, Oman

80008 Adaptivity and Design for All in Standardization: How Considering Accessibility in Standards Development Can Help Create a Safer World for Everyone [PRESENTATION]
Grace Callahan, UL Standards & Engagement, USA

80013 Scaling Accessibility Testing with AI From Compliance to Market Advantage
Heidi Kandil, PwC ETIC, Egypt

80018 Interacting Effects of Command Set Size and Temporal Parameters in Brain-Computer Interface Based on the RSVP Paradigm
Ricardo Ron-Angevin, University of Malaga, Spain

Session 18 [ALLSENSORS] Thursday B

Session Chair: Michele Angelaccio

70012 Using Giant Magneto-Impedance Effect for Transportation
Arcady Zhukov, University of the Basque Country, Spain

70020 Magnetic Properties and Applications of Glass-coated Ferromagnetic Microwires
Valentina Zhukova, University of Basque Country, Spain

70037 Denoising Electromagnetic Sensor Spectra for Maize Crop Evaluation: A Comparative Study of Advanced Architectures
Paulo Estevão Cruvinel, Embrapa Instrumentation and Federal University of São Carlos (Post Graduation Programme), Brazil

70045 Design and Performance Test of a Prototype MRI-Compatible Cascaded Pressure Microsensor
Lodewijk Arntzen, The Hague University of Applied Sciences, Netherlands

Session 19 [SPACOMM, eLmL] Thursday B

Session Chair: Valentina Zhukova

20005 Enhancing capacity density in Direct-to-Device MSS using a fractionated satellite and MU MIMO from Space
Santanu Dutta, Clustersat Network Technologies, USA

20014 Development of A Registration Technique of Time-series Satellite Image Based on Improved Geometric-matching CNN
Tohru Kamiya, Kyushu Institute of Technology, Japan

50023 From Ora et Labora to Lude et Labora: The Digital Charterhouse as a Human-Centric GenAI Framework for NEET Reintegration and Territorial Digital Tourism - Michele Angelaccio, University of Rome Tor Vergata, Italia

70008 Advances on the Internet of Things for High-Resolution and Multi-Scale Measurements in Agricultural Ecosystems
Christophe Cariou, INRAE, France
