

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 17, 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 (Sessions) B (Sessions + Plenaries)

Sunday, May 24

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: Bridging Optimization and Inventive Design: A TRIZ-Based Perspective Speaker: Prof. Dr. Ing. Rémy Houssin, University of Strasbourg, ICube, France Chair: Juliette Mattioli
15:15 - 15:30	Coffee Break
15:30 - 16:30	Open Discussion I Theme: Challenges for Private Agents within Agentic Frameworks Moderators: Dr. Juliette Mattioli, Thales, France Prof. Dr. Petre Dini, IARIA USA/EU
16:30 - 16:45	Coffee
16:45 - 17:45	Keynote Speech Title: Quantum Sensing - New Possibilities and Applications Speaker: Lect. Dr. Lodewijk Arntzen, The Hague University of Applied Sciences, The Netherlands Chair: Odd Ivar Haugen

17:45 - 18:00	Coffee
18:00 - 19:00	Keynote Speech Title: Safety Assurance of Complex Systems Speaker: Sr. Res. Odd Ivar Haugen, DNV AS, Norway Chair: Lodewijk Arntzen
19:00 - 20:30	Welcome Cocktail

Monday, May 25

09:00 - 10:00	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	
10:00 - 10:15	Coffee Break	
10:15 - 12:00	Session 1 [ICN, SPACOMM]	Session 10 [eLmL]
12:00 - 12:15	Coffee	
12:15 - 13:15	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	
13:15 - 14:45	Lunch on your own	
14:45 - 16:30	Session 2 [PESARO]	Session 11 [ICDS, GEOProcessing]
16:30 - 16:45	Coffee Break	
16:45 - 18:15	Session 3 [ALLDATA I]	Session 12 [eTELEMED]
18:15 - 18:30	Coffee	
18:30 - 20:00	Panel #1 Theme: Challenges and Perspectives for Sustainable Human–Machine Coexistence Moderator: Prof. Dr. Lasse Berntzen, University of South-Eastern Norway, Norway Panelists: Sr. Lect. Dr. Alisha Janowsky, University of Central Florida, USA Prof. Dr. Christian Juhra, University Hospital Muenster, Germany Assoc. Lect. Dr. Martha Hubertz, University of Central Florida, USA	

Tuesday, May 26

09:00 - 10:00	<p 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	<p align="center">Coffee Break</p>	
10:30 - 12:15	Session 4 [ALLDATA II]	Session 13 [ACHI I]
12:15 - 14:00	<p align="center">Lunch on your own</p>	
14:00 - 16:00	Session 5 [SOFTENG + DiA11yTech]	Session 14 [ACHI II]
16:00 - 16:30	<p align="center">Coffee Break</p>	
16:30 - 18:15	<p align="center">Panel #2 Theme: Integrating Data, Knowledge, and Graphs in AI-Driven Systems Moderator Dr. Eng. Gaëlle Lortal, Thales Group, France Panelists Dr. Marjolein Deryck, KU Leuven, Belgium Prof. Dr. Grigore Albeanu, Spiru Haret University, Romania PhD Candidate Yameng Guo, Ghent University, Belgium</p>	
18:15 - 18:30	<p align="center">Coffee</p>	
18:30 - 19:30	<p align="center">Open Discussion II Theme: Optimizing Absorption: From Grokking to Emerging Knowledge Moderators: Dr. Eng. Gaëlle Lortal, Thales Group, France Prof. Dr. Petre Dini, IARIA, USA/EU</p>	

Wednesday, May 27

09:00 - 10:00	<p align="center">Keynote Speech Title: AI Engineering: A Necessarily Condition to Deploy Trustworthy AI in Complex Systems Speaker: Dr. Juliette Mattioli, Thales, France Chair: Rémy Houssin</p>	
10:00 - 10:30	<p align="center">Coffee Break</p>	
10:30 - 12:15	Session 16 [eKNOW]	Session 7 [PSRAI I / PESARO]
12:15 - 14:00	<p align="center">Lunch on your own</p>	
14:00 - 15:45	Session 17 [SMART ACCESSIBILITY]	Session 8 [PSRAI II / PESARO]
15:45 - 16:00	<p align="center">Coffee Break</p>	
16:00 - 17:45		Session 9 [PSRAI III / PESARO]
17:45 - 18:00	<p align="center">Coffee</p>	
18:00 - 19:45	<p align="center">Panel #3 Theme: Rethinking System Resilience in the Age of AI Moderator Dr. Juliette Mattioli, Thales, France Panelists Prof. Dr. Alexander Lawall, IU International University of Applied Sciences, Germany Prof. Dr. Tadashi Dohi, Hiroshima University, Japan Prof. Dr. Petre Dini, IARIA, EU/USA</p>	

20:00 - 23:30	Conference Dinner (Novotel Hotel)

Thursday, May 28

09:00 - 10:00	Keynote Speech 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 Lodewijk Arntzen
10:00 - 10:15	Coffee
10:15 - 12:00	Panel #4 Theme: Advanced Sensing and Sensor Systems for Intelligent Environments Moderator Prof. Dr. Paulo Cruvinel, Embrapa, University of São Paulo, Federal University of São Carlos, Brazil Panelists Prof. Dr. Arcady Zhukov, University of the Basque Country, Spain Lect. Dr. Lodewijk Arntzen, The Hague University of Applied Sciences, Netherlands Prof. Dr. Shintaro Mori, Fukuoka University, Japan PhD Candidate Maryem Bouali, ESTP-Paris, France
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

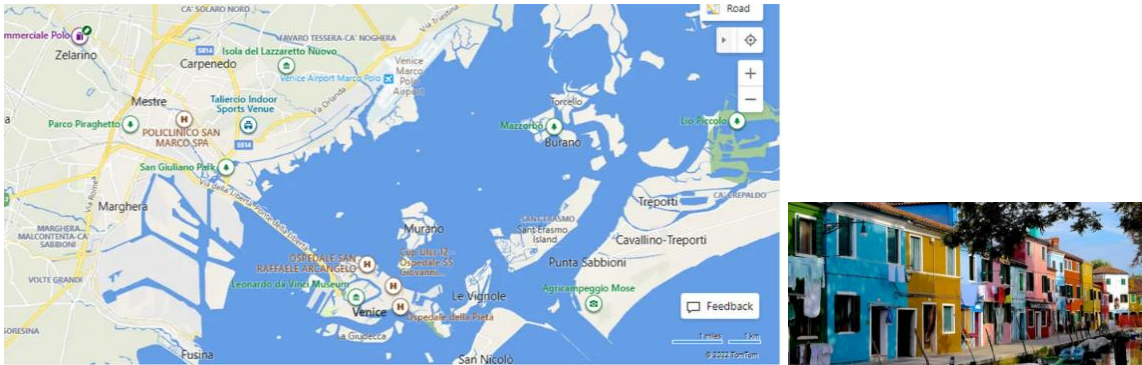
Dodges' Palace

San Marco Belltower
San Marco Piazza

Recommendation

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

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



Session 1 [ICN, SPACOMM] 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

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

20030 Dual-Domain Structural Interference Detection in FDMA based Satellite Communication Networks using Carrier-Aware Spectral Cursor (CASC)
Sahal Mohammed MN, ISTRAC - ISRO, India

Session 2 [PESARO] Monday A

Session Chair: Sahal Mohammed MN

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 Houssin, CNRS ICUBE UMR, France

Session 3 [ALLDATA I] Monday A

Session Chair: Rémy Houssin

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
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+ DiA11yTech] 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

90027 Fine-tuned Random Forest-based Software Defect Prediction via Metaheuristics
Tadashi Dohi, Hiroshima University, Japan

88003 Rethinking Digital Exclusion: Interaction Design Barriers in Adults with Intellectual Disabilities
Kristina Deryagina, Accessiway, Germany

Session 6 [Placeholder] Tuesday A

Session 7 [PSRAI I / PESARO] Wednesday B

Session Chairs: Juliette Mattioli, Bertrand Braunschweig

Introduction

Juliette Mattioli, Thales, France

68001 How to Assess the Technology Readiness Levels of an AI-based System
Stéphanie Gourdin, Thales Defense Mission Systems, France
Juliette Mattioli, Thales, France

68002 How AI impact the Digital Products and Services Performance in a Critical Context?
Benoit Huyot, cortAIx Factory SAS, France
Juliette Mattioli, Thales, France

68006 Defining a minimal set of Trustworthy properties for reliable knowledge-based systems
Gaëlle Lortal, Thales Group, France

Session 8 [PSRAI II / PESARO] Wednesday B

Session Chairs: Juliette Mattioli, Bertrand Braunschweig

68005 Evaluation of Robustness, Reliability, and Safety of an AI-Based System
Juliette Mattioli, Thales, France

68003 An End-to-End Trustworthy Knowledge Graph Engineering Methodology
Emna Amdouni, IRT SystemX, France

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

Session 9 [PSRAI III / PESARO] Wednesday B

Session Chairs: Juliette Mattioli, Bertrand Braunschweig

68007 What IF: Ultimate Intelligence FORGIVES?
Sharron Frammingham, The Human Engine - Angers, France

68008 Harnessing Trustworthiness in LLM Agents through Embedding Trustworthy Engineering Life-Cycles into System Prompts - **Zoom**
Sabrina Chaouche, IRT SystemX, France

68009 Evaluating Performance, Safety, and Robustness of an AI-Based Airport Delay Alerting Tool with Calibrated Machine Learning for Operational Decision Support - **Zoom**
Soufiane Momtaz, ENSET Mohammedia, Hassan II University of Casablanca, Morocco
Joseph Machrouh, Thales LAS France, France

Open discussions and closing remark
Moderator: Juliette Mattioli

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: Martha Hubertz

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

Kazuhiwa Miwa, Nagoya University, Japan

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

Session 16 [eKNOW] Wednesday A

Session Chair: Heidi Kandil

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 A

Session Chair: Marjolein Deryck

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 [PRESENTATION]
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
