On site Activities (*preliminary*) Program

Conference Hotel
Conference Venue Location
The conference will be online and on location at
Holiday Inn Express Valencia-Ciudad Las Ciencias
Escritor Rafael Ferreres 22
Valencia, 46013
Spain
Phone: +34 963 16 25 30
Email: recepcion@expresshivalencia.com

Updated as of March 2nd, 2026.

The program will be continuously updated.

InfoSys 2026: https://www.iaria.org/conferences2026/InfoSys26.html

InfoWare 2026: https://www.iaria.org/conferences2026/InfoWare26.html

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

Time slots	Activity

Sunday, March 8

Time slots	Activity
12:00am	**Registration starts** The registration desk is in front of the conference rooms. The reception is operating during the entire conference.
13:30 - 13:45	**Opening session**
13:45 - 14:45	**Tutorial I** A Web-Component Primer for Database Developers **Lecturer** Prof. Dr. Andreas Schmidt, University of Applied Sciences, Karlsruhe, Germany **Chair** Malcolm Crowe
14:45 - 15:15	**Coffee Break**
15:15 - 16:15	**Tutorial II** Challenges and Opportunities of Intelligent Systems in Forensics **Lecturer** Prof. Dr. Dirk Labudde, Hochschule Mittweida, Germany **Chair** Andreas Schmidt
16:15 - 16:30	**Break**
16:30 - 17:30	**Workshop** **Theme:** Typed Graph Models versus Databases **Lecturer**

	Emeritus Prof. Dr. Malcolm Crowe, University of the West of Scotland, UK, Scotland **Chair** Dirk Labudde
17:30 - 17:45	**Break**
17:45 - 18:30	**Open Discussion I** **Theme:** Technology Adoption and Product Delivery - "Just in time" is better than "Perfection" **Coordinators** Prof. Dr. Petre Dini, IARIA, USA X Persona - Panelist-as-a-Service Emeritus Prof. Dr. Malcolm Crowe, University of the West of Scotland, UK, Scotland
18:45 – 19:45	**Welcome Cocktail**

Monday, March 9

09:00 - 09:45	**Keynote Speech** Using Drones for Enhanced Communications in Cases of Emergency **Speaker** Prof. Dr. Ivan Ganchev, University of Limerick, Ireland / University of Plovdiv "Paisii Hilendarski" Bulgaria **Chair** Dirk Labudde
09:45 - 10:00	**Coffee**
10:00 - 11:30	**Session 1 [AIHealth]**	**Session 2 [VISUAL, VEHICULAR]**
11:30 - 11:45	**Coffee Break**
11:45 - 13:15	**Session 3 [ICAS]**	**Session 4 [WEB]**
13:15 - 14:30	Lunch on your own
14:30 - 16:00	**Session 5 [INTERNET, ENERGY]**	**Session 6 [BIOTECHNO]**
16:00 - 16:15	**Coffee**
16:15 - 17:00	**Keynote Speech** Bridging AI and Social Computing to Mitigate Socio-Cognitive Threats **Speaker** Prof. Dr. Nitin Agarwal, COSMOS Research Center, UA Little Rock | ICSI, University of California, Berkeley, USA **Chair** Amit Reach
17:00 - 17:15	**Coffee Break**
17:15 - 19:00	**Panel #1** **Theme:** Society Benefits from Digital Systems and Smart Services **Moderator** Prof. Dr. Dirk Labudde, Hochschule Mittweida, Germany **Panelists** Dr. Christopher Bayliss, University of Portsmouth, UK Sr. Lect. Dr. Amit Resh, Shenkar College of Engineering, Design and Art, Israel Dr. Ing. Camilo Velázquez-Rodríguez, Flanders Make, Belgium Tech. Lead Nieves Salor Moral, Starion Group, Spain Prof. Dr. Frank Heckel, Hochschule Anhalt - University of Applied Sciences, Germany

Tuesday, March 10

09:00 - 9:45	**Keynote Speech** Domain Adaptation in Machine Learning **Speaker** Prof. Dr. Sagar Naik, University of Waterloo, Canada **Chair** Dirceu Cavendish
09:45 - 10:00	**Coffee**
10:00 - 11:30	**Session 7 [SENSE-CPS/INTELLI]** **Session 8 [HUSO]**
11:30 - 11:45	**Coffee Break**
11:45 - 12:30	**Keynote Speech** Precision Triage in Healthy Aging: Uniting AI, Clinical Science, and Community Care to Pre-empt the "Silent Danger" of Frailty **Speaker** Meghan Conroy, CEO & Founder, CaptureProof, USA **Chair** Dirceu Cavendish
12:30 - 12:45	**Coffee**
12:45 - 14:15	**Session 9 [INTELLI]** **Session 10 [DBKDA]**
14:15 - 15:15	Lunch on your own
15:15 - 16:45	**Session 11 [AIHealth]** **Session 12 [DBKDA]**
16:45 - 17:00	**Coffee Break**
17:00 - 18:30	**Panel #2** **Theme:** Challenges and Advantages of the Coexistence of Raw Data, Metadata, and Synthetic Data **Moderator:** Prof. Dr. Andreas Schmidt, University of Applied Sciences, Karlsruhe, Germany **Panelists** Emeritus Prof. Dr. Malcolm Crowe, University of the West of Scotland, UK, Scotland Prof. Dr. Steve Zhou, University of Houston Downtown, USA Prof. Dr. Constantine Kotropoulos, Aristotle University of Thessaloniki, Greece
18:30 - 18:45	**Coffee**
18:45 - 20:00	**Demo** SmartCHANGE Web application: An AI-Driven Digital solution for Personalized Health Lifestyle Change Interventions **Demonstrators** Elena Mancuso, Engineering Ingegneria Informatica SpA, Italy Valentina Di Giacomo, Engineering Ingegneria Informatica SpA, Italy

Wednesday, March 11

09:00 - 9:45	**Keynote Speech** Intelligent Energy Management Systems **Speaker** Prof. Dr. Juho Mäkiö, University of Applied Sciences, Emden / Leer, Germany **Chair** Ivan Ganchev
09:45 - 10:00	**Coffee Break**
10:00 - 11:30	**Session 13 [VEHICULAR]** **Session 14 [BRAININFO, SIGNAL,**

		DBKDA]
11:30 - 11:45	Coffee	
11:45 - 12:30	**Keynote Speech** Smart Grids, Cyber Security, and the Big Spillover (What Connects Fridges to Smart Grid Cyber Security and What can we do About it?) **Speaker** Dr.-Ing. Eric Veith, OFFIS e.V. - Oldenburg, Germany **Chair** Juho Mäkiö	
12:30 - 14:00	Lunch on your own	
14:00 - 15:30	**Session 15 [ENERGY]**	**Session 16 [BIOTECHNO]**
15:30 - 15:45	Coffee	
15:45 - 17:15	**Session 17 [WRE/ENERGY]**	**Session 18 [BIOTECHNO]**
17:15 - 17:30	**Coffee Break**	
17:30 - 19:00	**Panel #3** **Theme**: Success and Warnings: Medical Decisions Using AI-Advanced Tools Under Scrutiny **Moderator** Prof. Dr. Dirceu Cavendish, Kyushu Institute of Technology, Japan **Panelists** Prof. Dr. Karim Zahed, American University of Beirut, USA Prof. Dr. Michael Massoth, Hochschule Darmstadt - University of Applied Sciences, Germany Meghan Conroy, CEO & Founder, CaptureProof, USA Eden Solomon Awulachew, Department of Public Health, Rift Valley University, Ethiopia Dr. Elena Mancuso, Engineering Ingegneria Informatica SpA, Italy	
19:00 - 19:15	**Coffee**	
19:15 - 20:15	**Open Discussion II** **Theme:** Society Evolution and Human-Machine Cohabitation **Coordinators** Prof. Dr. Fernanda Eliott, Grinnell College, USA Prof. Dr. Dennis Folds, Human Systems Engineering, USA Prof. Dr. Nitin Agarwal, COSMOS Research Center, UA Little Rock	ICSI, University of California, Berkeley, USA	
20:30 - 23:30	**Conference Dinner** **Restaurante Don Pelayo** Junto Ciudad Justicia y Artes y Las Ciencias, Carrer d'Antonio Sacramento, 17, 46013	

Thursday, March 12

09:00 - 9:45	**Keynote Speech** Preventing Large-Scale Emergencies in Modern Power Systems: AI Approach **Speaker** Prof. Dr. Michael Negnevitsky, University of Tasmania, Australia **Chair** Vivian Sultan	
09:45 - 10:00	**Coffee**	
10:00 - 11:30	**Panel #4**	

	Theme: Energy Challenges and Green-energy Related Models **Moderator** Dr.-Ing. Eric Veith, OFFIS e.V. - Oldenburg, Germany **Panelists** Prof. Dr. Michael Negnevitsky, University of Tasmania, Australia Prof. Dr. Vivian Sultan, California State University, Los Angeles, USA Prof. Dr. Huamin Ren, Kristiania University of Applied Sciences, Norway
11:30 - 11:45	**Coffee Break**
11:45 - 13:30	**Session 19 [AIHealth, INTELLI]**
13:30 - 13:45	**Coffee**
13:45 - 14:30	**Open Discussion III** **Theme:** Boredom Relevance for Creativity in the Digital Age **Coordinators** Prof. Dr. Malcolm Crowe, University of the West of Scotland, UK, Scotland Prof. Dr. Fernanda Eliott, Grinnell College, USA Prof. Dr. Constantine Kotropoulos, Aristotle University of Thessaloniki, Greece
14:30 - 15:00	**Coffee, Farewell, and Closing Session**

Recommended tourist objectives to be visited on your own:

- Cidade das Artes e das Ciências: Arte, Santiago Calatrava, museu, arquitetura, cultura
- Lonja de la Seda: Arquitetura, história, museu, arte, arquitetura gótica
- L'Oceanografic: Aquário
- Valencia Bioparc: Jardim zoológico
- Mercado Central: Mercado
- Torres de Serranos: História
- Catedral de València: Catedral, história, arquitetura
- Museu de Belles Arts de València: Museu, arte, cultura, arquitetura
- Institut Valencià d'Art Modern: Arte, museu, arquitetura, cultura

Session 1 [AIHealth] Monday - morning - A
Session Chair: Rollo Federico

80086 Assessing the Effectiveness of an Artificial Intelligence Tool for Note-taking in a General Practice Setting
Shreya Shah, King's College London, UK
Aarya Shetye, King's College London, UK
Carol Habib, King's College London, UK

80064 De-Identifying German Clinical Notes under Small-Corpus Constraints: Transferring State-of-the-Art Approaches from English Benchmarks
Anna-Lena Artmann, Center for Advanced Studies of the Baden-Württemberg / Cooperative State University, Germany

80152 Using a Smartwatch for Heart-Rate–Based Work–Rest Scheduling in Construction
Karim Zahed, American University of Beirut, Lebanon

Session 2 [VISUAL, VEHICULAR] Monday - morning - B
Session Chair: Tobias Kiertscher

70005 The Digital Twin in a Forensic Case Study
Dirk Labudde, Hochschule Mittweida, Germany

30029 Metaheuristic-machine learning algorithm for the evaluation of last-mile delivery consolidation strategies and their sustainability impacts [PRESENTATION]
Christopher Bayliss, University of Portsmouth, UK

Session 3 [ICAS] Monday - late morning - A
Session Chair: Christopher Bayliss

20003 A Ground-Aware Lidar Intensity Filter for Reliable SLAM in Challenging Reflection Environments
Rollo Federico, Leonardo Spa, Italy

20005 VaMAI-Validator: Agent Validation Platform for Autonomous Maritime Navigation
Christoph Baier, Institute for Applied Systems Technology Bremen (ATB), Germany
Fulya Horozal, Institute for Applied Systems Technology Bremen (ATB), Germany

20010 The Future of Large-scale Uncrewed Aerial Systems for Logistics
Keirin Joyce, University of New South Wales, Australia

Session 4 [WEB] Monday - late morning - B
Session Chair: Felix Fischer

40002 A Lightweight Presentation Server with Generic Web Front End for Developer-Centric Hypermedia Publishing
Tobias Kiertscher, Technische Hochschule Brandenburg, Germany

40006 Towards Accessible Interactive Visual Elements on the Web: An AI-Based Descriptive and Auditory Input/Output Approach for Screen Reader Users
Frank Heckel, Anhalt University of Applied Sciences, Germany

Session 5 [INTERNET, ENERGY] Monday - afternoon - A
Session Chair: Eric Veith

40007 Medical IoT Devices & Systems: Challenges and Opportunities
Dirceu Cavendish, Kyushu Institute of Technology, USA

40013 Private Information in Public Data - A Forensic Review of Unaffected User Image Metadata Provided by Online Platforms
Felix Fischer, Hochschule Mittweida, Germany

30023 Zero Trust Defense Against Charge Manipulation Attacks in Smart EV Charging Infrastructure
Saba Marandi, Concordia University, Canada

Session 6 [BIOTECHNO] Monday - afternoon - B
Session Chair: Frank Heckel

70024 Emergent Information Formation in Prebiotic Protocell Clusters: A Computational Mechanics
Framework of ε-Machines and Attractor Memory
Michael Massoth, Hochschule Darmstadt - University of Applied Sciences, Germany

70047 Computational Discovery of Inhibitors Targeting Alphavirus nsP2 Proteases
José Augusto Leoncio Gomide, Universidade Federal de Uberlândia, Brazil

70019 Attractive Casimir-Lifshitz Forces as a Universal Driver of Prebiotic Protocell Aggregation and Cluster
Formation
Michael Massoth, Hochschule Darmstadt - University of Applied Sciences, Germany

Session 7 [SENSE-CPS/INTELLI] Tuesday - morning - A
Session Chairs: Rui Pinto, Gil Gonçalves

68001 Craft Beer Monitoring: A Cyber-Physical IoT System for Precision Brewing
José Felisberto, University of Porto, Portugal
Rui Pinto, FEUP, Portugal
Gil Gonçalves, FEUP, Portugal

68002 Edge-Based IoT and AI Framework for Real-Time Wastewater Potability Classification
José Isidro, University of Porto, Portuga
Rui Pinto, FEUP, Portugal
Gil Gonçalves, FEUP, Portugal

68003 An Edge-Centric IoT System for Smart Building Energy Management
João Silva, University of Porto, Portugal
Rui Pinto, FEUP, Portugal
Gil Gonçalves, FEUP, Portugal

Session 8 [HUSO] Tuesday - morning - B
Session Chair: Dennis Folds

80002 Analyzing Narrative Evolution about South China Sea Dispute
Nitin Agarwal, COSMOS Research Center, UA Little Rock; ICSI, University of California, Berkeley, USA

80009 Modeling the Winkum Game
Fernanda Eliott, Grinnell College, USA

Session 9 [INTELLI] Tuesday - early afternoon - A
Session Chair: Eden Solomon Awulachew

60005 Accelerating the Adoption of Asset Administration Shells through AI Agents
Camilo Velázquez-Rodríguez, Flanders Make, Belgium

60007 From Data Silos to Intelligent Operations: An AI-Based Approach to Ground Station Incident
Investigation

Dimitri Accad, Starion, Belgium
Nieves Salor Moral, Starion Group, Spain

60018 Integrating Intuitive Interaction and LLM Guidance for Efficient 3D Annotation
Kenji Iwata, National Institute of Advanced Industrial Science and Technology (AIST), Japan
Haruya Ishigami, National Institute of Advanced Industrial Science and Technology, Japan

Session 10 [DBKDA] Tuesday - early afternoon - B
Session Chair: Jey Puget Gil

50004 The Impact of Artificial Intelligence and Data Analytics Capabilities on Firm Performance
Steve B. Zhou, University of Houston Downtown, USA

50015 Scribe Verification in Chinese Manuscripts using Siamese, Triplet, and Vision Transformer Neural Networks
Konstantinos (Constantine) Kotropoulos, Aristotle University of Thessaloniki, Greece

Session 11 [AIHEALTH] Tuesday - afternoon - A
Session Chair: Camilo Velázquez-Rodríguez

80096 SmartCHANGE: From Risk Prediction to Daily Habits Through AI and Gamified Lifestyle changes
Elena Mancuso, Engineering Ingegneria Informatica SpA, Italy

80026 Leveraging Recurrent Neural Networks for Predicting Chronic Disease Onset from Longitudinal EHRs
Eden Solomon Awulachew, Department of Public Health, Rift Valley University, Ethiopia

80134 SmartCHANGE Web application: An AI-Driven Digital solution for Personalized Health Lifestyle Change Interventions
Valentina Di Giacomo, Engineering Ingegneria Informatica SpA, Italy

Session 12 [DBKDA] Tuesday - afternoon - B
Session Chair: Steve B. Zhou

50018 Property Graph Techniques in Relational Databases
Malcolm Crowe, University of the West of Scotland, United Kingdom, Scotland

50023 QuaQue: Design and SQL implementation of condensed algebra for concurrent versioning of knowledge graphs
Jey Puget Gil, Université Claude Bernard, LIRIS, UMR-CNRS 5205, France

50028 On UNIQUE KEYS in SQL/JSON Implementations - Experimenting with JSON support in DBMS products
Malcolm Crowe, University of the West of Scotland, UK, Scotland

Session 13 [VEHICULAR] Wednesday - morning - A
Session Chair: Vasiliki Tzelepi

30012 RoadSense – An AI-Based Vehicle Alert System driven by V2V Mesh Communications
Amit Resh, Shenkar College of Engineering, Design and Art, Israel

30017 Evidence of Unmet Demand for Public Charge Points for Electric Vehicle Users
Dinesh Chacko, Institute of Electrical and Electronics Engineers (IEEE), UK

30025 A Comparison of Public Electric Vehicle Charge Point Access Among the United States
Dinesh Chacko, Institute of Electrical and Electronics Engineers (IEEE), UK

Session 14 [BRAININFO, SIGNAL, DBKDA] Wednesday - morning - B
Session Chair: Clarice Da Costa Correa

90009 Brain to Bedside: Using Neuroscience to Cultivate Empathy in Medicine
Michael De Wilde, Grand Valley State University & Corewell Health, USA
Tia Chakraborty, Corewell Health/ Michigan State University, Grand Valley State University, USA

60022 Power Spectral Density of the Quantization Noise in Block-Floating-Point FFT
Gil Naveh, Huawei Technologies Co. Ltd, Israel

50010 Relations between Degree of Satisfaction and Consistency Index in Fuzzy Data AHP
Shin-ichi Ohnishi, Hokkai-Gakuen University, Japan

Session 15 [ENERGY] Wednesday - early afternoon - A
Session Chair: Dinesh Chacko

30014 The Green ICT Tool: A Methodology-Driven Platform for Assessing ICT Energy Consumption
Vasiliki Tzelepi, Institute of Communication and Computer Systems (ICCS), Greece

30037 Metro-Integrated Electrified Campus Shuttles for Green Mobility in Saudi Universities
Mohammed Mutwaly, Imam Mohammad Ibn Saud Islamic University (IMSIU), Saudi Arabia
Khaled Alkhamis, Imam Mohammad Ibn Saud Islamic University (IMSIU), Saudi Arabia

30027 A Hierarchy-Focused Algorithm for Drawing Single Line Diagrams of Power Grids
Eric Veith, OFFIS e.V. - Oldenburg, Germany

30007 From Sparks to Strategy: Geospatial and Predictive Modeling of Wildfire Risk for Grid Hardening
Vivian Sultan, California State University, Los Angeles, USA
Jeremy Contreras, California State University Los Angeles, USA

Session 16 [BIOTECHNO] Wednesday - early afternoon - B
Session Chair: Michael De Wilde

70027 From Physical Difference to Meaning: A Constructor-Theoretic Framework for Prebiotic Information in Casimir–Lifshitz-Coupled Protocell Clusters
 Michael Massoth, Hochschule Darmstadt - University of Applied Sciences, Germany

70017 Evaluation of a Galvanic Vestibular Stimulation System to Reduce Cyberscikness in Virtual Reality
Clarice Da Costa Correa, ENSICAEN - NBI, France

70029 Physical Origin of Proto-Information: Syntax, Semantics and Pragmatic Emergence in Prebiotic Protocell Clusters
Michael Massoth, Hochschule Darmstadt - University of Applied Sciences, Germany

Session 17 [WRE/ENERGY] Wednesday - afternoon - A
Session Chair: Vivian Sultan

38001 Postfire Burn Severity and Four-Month Vegetation Recovery Assessment Using NBR and NDVI: A Case Study of the Eaton and Palisades Fires
Vivian Sultan, California State University, USA
Andrew Pang, California State University, USA

38002 Climatic Extremes, Vegetation Response, and Fuel Conditions: A five-year analysis of the Palisades and Eaton fire zones in Los Angeles County
Vivian Sultan, California State University, USA
Diego Sanchez, California State University, USA
Leonardo Ortiz, California State University, USA

38003 Understanding the Socioenvironmental Impact of LA City Wildfires
Vivian Sultan, California State University, USA
Sirisha Mahesh, California State University, USA
Christopher Lee, California State University, USA

Session 18 [BIOTECHNO] Wednesday - afternoon - B
Session Chair: Dirceu Cavendish

70031 Quantum Field-induced Proton H^+ Gradients in Prebiotic Protocell Clusters
Michael Massoth, Hochschule Darmstadt - University of Applied Sciences, Germany

70013 AI-Agents for Bioinformatics and Systems Medicine
Xiaobo Zhou, University of Texas Health Science Center, USA

70035 Prebiotic Sustainability in the Nanoworld: A Physical Framework for Early Protocell Cluster Stability
Michael Massoth, Hochschule Darmstadt - University of Applied Sciences, Germany

70044 From Prebiotic Sustainability to Proto-Liveliness: A Biocomputational Framework with Structural, Energetic and Informational Metrics for Protocell Cluster Evolution
Michael Massoth, Hochschule Darmstadt - University of Applied Sciences, Germany

Session 19 [AIHealth, INTELLI] Thursday - late morning - A
Session Chair: Michael Massoth

80154 Enhancing CineMRI Clinical Documentation by Detecting and Correcting Ambiguity with Large Language Models
Guillermo Villanueva, Barcelona Institute for Global Health (ISGlobal)), Spain

60014 ENDURE: Ensemble Based Robust Reinforcement Learning with Reduced Sample Complexity
Sarra Alqahtani, Wake Forest University, USA

80136 GuardianRx: An AI-Driven Predictive Tool for Monitoring Emerging Psychoactive Drug Trends
Dip Patel, OSF Healthcare, USA