

On site Activities (*preliminary*) Program

Conference Hotel

Conference Venue Location

Conference will be mixed online and on location at

Mercure Lisboa
Av Jose Malhoa 23
1099-051 Lisboa
Portugal

Updated as of March 24th, 2026

The program will be continuously updated.

ComputationWorld 2026: <https://www.iaria.org/conferences2026/ComputationWorld26.html>

DataSys 2026: <https://www.iaria.org/conferences2026/DataSys26.html>

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

Time slots	Activity
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Sunday, April 19

12:30pm	Registration starts The registration desk is in front of the conference rooms. It is open during the entire conference.
14:15 - 14:30	Opening session
14:30 - 15:30	Keynote Speech Theme: AI Reasoning - Current Challenges & Future Opportunities Speaker Dr. Steve Chan, Decision Engineering Analysis Laboratory, USA Chair Carlos Peña
15:30 - 16:00	Coffee Break
16:00 - 17:00	Tutorial I Theme: Designing Clinical Studies and Navigating the FDA Approval Process in the USA Lecturer Carlos Peña, PhD, MS, Chief Regulatory Officer and Chief Quality Officer, Jacobs Institute - Buffalo, USA Chair Petre Dini
17:00 - 17:15	Coffee
17:15 - 18:15	Tutorial II Theme: Current State of LLM/SLM-based Code Generation and Future Directions Lecturer Srinath Perera, Ph.D., Chief Architect, WSO2 Inc., Santa Clara, USA Chair

	Steve Chan
18:30 - 20:00	Welcome Cocktail

Monday, April 20

09:00 - 10:00	Keynote Speech Cybersecurity – Current Threats and Future Challenges Speaker Prof. Dr. Andreas Aßmuth, Kiel University of Applied Sciences, Germany Chair George R S Weir	
10:00 - 10:30	Coffee Break	
10:30 - 12:15	Session 1 [CLOUD COMPUTING]	Session 9 [PATTERNS, AIVR]
12:15 - 14:00	Lunch on your own	
14:00 - 15:45	Session 2 [CROSS-SEC I]	Session 10 [MOBILITY, SPWID]
15:45 - 16:15	Coffee Break	
16:15 - 17:45	Session 3 [CROSS-SEC II]	Session 11 [COGNITIVE I]
17:45 - 18:00	Coffee	
18:00 - 19:30	Panel #1 Theme: Cybersecurity Moderator: Panelists TBD	

Tuesday, April 21

09:00 - 10:00	Keynote Speech Internet of Things - Toward a Better-connected World? Speaker Lect. & Adj. Prof. Dr. George R S Weir, University of Strathclyde, Glasgow, UK Chair Andreas Aßmuth	
10:00 - 10:30	Coffee Break	
10:30 - 12:15	Session 4 [CROSS-SEC III, SERV COMP]	Session 12 [COGNITIVE II]
12:15 - 14:00	Lunch on your own	
14:00 - 15:45	Session 5 [CROSS-SEC IV]	Session 13 [ICIMP, SMART]
15:45 - 16:15	Coffee Break	
16:15 - 17:45	Session 6 [CROSS-SEC V, FUTURE COMPUTING]	Session 14 [SMART]
17:45 - 18:00	Coffee	
18:00 - 19:30	Panel #2 Theme: Clouds and Data Moderator Prof. Dr. Panelists TBD	

Wednesday, April 22

09:00 - 10:00	Keynote Speech Software Engineering in AI/LLM Era Speaker Kunal Rao, NEC Laboratories America/Integrated Systems Department - Princeton, USA Chair Eugen Borcoci	
10:00 - 10:30	Coffee Break	
10:30 - 12:15	Session 7 [GenAI4CLOUD]	Session 15 [BIMS/BUSTECH]
12:15 - 14:00	Lunch on your own	
14:00 - 15:45	Session 8 [Hyper-CC]	Session 16 [CPAI/COGNITIVE, SMART]
15:45 - 16:15	Coffee Break	
16:15 - 17:45	Panel #3 Theme: Cognition Moderator Prof Panelists TBD	
17:45 - 18:00	Coffee	
18:00 - 18:45	Open Discussion Theme: The Danger of Synthetic Use Cases Moderators TBD	
19:00 - 23:00	Conference Dinner (Mercure Hotel, same floor)	

Thursday, April 23

09:00 - 10:00	Keynote Speech AI-based Path Planning for Unmanned Aerial Vehicles Speaker Prof. Ph.D. Eugen Borcoci, Universitatea Națională de Știință și Tehnologie Politehnica Bucuresti, (UNSTPB), Romania Chair Kunal Rao	
10:00 - 10:30	Coffee Break	
10:30 - 12:15	Panel #4 Theme: Systems Moderator Panelists TBD	
12:15 - 12:45	Coffee Break	
12:45 - 14:15	Session 17 [COGNITIVE/BRAINCOMAUG]	
14:15 - 14:30	Coffee	
14:30 - 15:30	Open Discussion Theme: Useful Conversational Chatbots or Social Junk Food?	

	Moderators TBD
15:30 - 15:45	Coffee
15:45 - 17:00	Session [18]
17:00 - 17:30	Farewell & Closing Session & Coffee

Recommended tourist objectives to be visited on your own:

Sintra

Sintra - National Palace

Pena Palace - São Pedro de Penaferrim

Lisbon

The Medieval Borough of Alfama

Lisbon's Borough of Belém

Tower of Belém

National Coaches Museum

Monastery of the Jerónimos (Hieronymite Monks, built in 1502)

Panoramic: Commerce Square, Downtown, Rossio Square, Avenue da Liberdade and Campo Grande

Session 1 [CLOUD COMPUTING]

Session Chair: Mathias Gerstner

20015 Towards Global Multi-Cloud Strategies: Insights into AWS and Alibaba Cloud Synergy

Christoph Neumann, Ostbayerische Technische Hochschule Amberg-Weiden, Germany

Martin Zizler, OTH Amberg-Weiden, Germany

20020 A Multi-Resource Power Modeling Framework for Energy-Aware Cloud Simulation in CloudSim

Raju Shrestha, Oslo Metropolitan University (OsloMet), Norway

20036 The Final Frontier of Orchestration: Bringing Kubernetes to On-Field and Embedded Devices Beyond Cloud-to-Edge Continuum

Jorge Carola, Siemens SA, Portugal

20045 A Cloud-Native Architecture for Human-in-Control LLM-Assisted OpenSearch in Investigative Settings

Malte Prieß, HAW Kiel - Faculty of Computer Science and Electrical Engineering, Germany

Benjamin Puhani, AI Research Unit of the State Police of Schleswig-Holstein, Germany

Session 2 [CROSS-SEC I]

Session Chair: Steve Chan

85049 A Note on the Post-Quantum Security of Identity-Based Encryption on Isogenous Pairing Groups

Malte Andersch, Freie Universität Berlin, Germany

85063 A Multi Method Framework for GNSS Anomaly Detection in Vehicular Systems Using NMEA Data

Mathias Gerstner, Ostbayerische Technische Hochschule Regensburg, Deutschland

85065 CVEs with a CVSS Score Greater than or Equal to 9
Lena Sinterhauf, NetUSE AG, Germany

Session 3 [CROSS-SEC II]

Session Chair: Lena Sinterhauf

85068 GNSS Spoofing Simulator
Tobias Reichel, ZITiS, Deutschland

85070 Introducing the Cyber-Physical Data Flow Diagram to Improve Threat Modelling of Internet of Things Devices

Andreas Abmuth, Kiel University of Applied Sciences, Germany

85127 An Analysis of Malware Threats Facing the IoT: A Taxonomy of IoT Malware
Ian Ferguson, Abertay University, United Kingdom

Session 4 [CROSS-SEC III, SERV COMP]

Session Chair: Philipp Fuxen

85074 SEPP 4.0 - Evaluation of Hands-On IoT-Security Exercises
Sebastian Fischer, OTH Regensburg, Germany

85094 End-to-End Security of Smart Meter Infrastructure–Based Control Chains: A STRIDE Analysis of Residual Risks Beyond the Smart Meter Gateway
Sascha Kaven, HAW Hamburg, Germany

85097 From Network Traffic to Data Space: Design, Validation, and Multi-Model Benchmarking
Christoph Moser, Ostbayerische Technische Hochschule Regensburg, Germany

10003 Towards Agentic Orchestration for Business Processes in the Insurance Industry
Christin Schulze, Hochschule Hannover - University of Applied Sciences & Arts, Germany

Session 5 [CROSS-SEC IV]

Session Chair: Sascha Kaven

85101 An Agentic GraphRAG Architecture for Organization-Aware Cyber Threat Intelligence
Philipp Fuxen, OTH Regensburg, Germany

85104 An Analysis of Attack Vectors Against FIDO2 Authentication
Alexander Berladskyy, Kiel University of Applied Sciences, Germany

85107 Secure-by-Design Prototyping of an IoT Access-Control System
Ruben Jubeh, OTH Regensburg, Germany

Session 6 [CROSS-SEC V, FUTUTURE COMPUTING]

Session Chair: Sebastian Fischer

85112 Closing the Temporal Gap: A Deterministic Simulation Framework for Physics-Aware Automotive Intrusion Detection

Liron Ahmeti, OTH Regensburg, Germany

85132 A Smart-Contract–Based Validation Framework for Secure and Auditable Federated Learning in Dementia

Elif Calik, ADAPT Research Centre, School of Computer Science, University of Galway, Ireland

30018 Prototype Pseudo-Metacognition Module for AI Reasoning

Steve Chan, Decision Engineering Analysis Laboratory, USA

Session 7 [GenAI4CLOUD/CLOUD COMPUTING]: Generative AI for Cloud Computing

Session Chair: Kunal Rao

Papers: TBD

Session 8 [Hyper-CC/CLOUD COMPUTING]: Hyper-Distributed Systems and Applications for the Computing Continuum

Session Chair: Herodotos Herodotou

Papers: TBD

Session 9 [PATTERNS, AIVR]

Session Chair: Rainer Wasinger

70006 A Methodology for Investigating AI Patterns Prevalence in Software Repositories

Srinath Perera Liyanapathirannahelage, WSO2, Sri Lanka

95046 Human-Centered Innovation in Water Management Education: A Co-Creation Approach to Developing VR Learning Experiences

Stella Kanatouri, German Aerospace Center (DLR), Institute of Data Science, Germany

Session 10 [MOBILITY, SPWID]

Session Chair: Stella Kanatouri

70019 Evaluation of Testing Tools for Assessing the Accessibility of Android Apps in Accordance with EN 301 549

Rainer Wasinger, University of Applied Sciences Zwickau, Germany

80007 Immersive Multisensory Module and Experience for Relax and Self-Improvement: The IMMERSI Project

Andrea Caroppo, National Research Council of Italy - Institute for Microelectronics and Microsystems, Italy

80011 Reframing Brain-Computer Interfaces as plug-and-play assistive peripherals for existing Assistive Technologies

Alessandro Leone, National Research Council of Italy, Italy

Valentina Caracci, Sapienza University of Rome, Italy

Session 11 [COGNITIVE I]

Session Chair: Abiodun Adebayo

40006 A Hybrid Cognitive Architecture for Multimodal and Multilingual Human–Machine Interaction

Nana Schlage, Hochschule Niederrhein University of Applied Sciences, Germany

40035 A Reference Architecture for Pro-adaptive Cognitive Assistive Technology
Thomas Nitsche, Hochschule Niederrhein, Germany

40040 Towards Individualised Reading Support for Attention-Deficit/Hyperactivity Disorder (ADHD): User-centred Development of an Adaptive Eye-Tracking-Based Reading Assistance System
Kyra Kannen, Rhine-Waal University of Applied Sciences, North Rhine-Westphalia, Germany

Session 12 [COGNITIVE II]

Session Chair: Kyra Kannen

40047 A Metacognitive Upstream Routing Framework for Accuracy Preservation and Computational Efficiency in Artificial Intelligence Systems
Naavya Shetty, University of Illinois Urbana-Champaign, USA

40051 A Comparative Evaluation of RAG and GraphRAG for Open-Ended Question Answering
Abiodun Adebayo, Ulster University, UK

40011 US Regulatory Perspectives on Brain Computer Interface Devices
Carlos Pena, Charlie Company, USA

40057 Amica: Accessible Multimodal Interaction Conversational Assistant for School Children with Intellectual Disabilities
André Frank Krause, Rhine-Waal University of Applied Sciences, Germany

Session 13 [ICIMP, SMART]

Session Chair: André Frank Krause

30003 STSMOTE: A Controllable Data Augmentation Method for Few-Shot Zero-Day Attack Detection in Network Intrusion Detection Systems
Haruto Ishii, The University of Tokyo, Japan

40058 The Impact of Logistics Systems' Digital Transformation on the Development of Healthy Cities
Arkadiusz Szmal, Silesian University of Technology, Poland
Edyta Przybylska, Silesian University of Technology, Poland
Katarzyna Dohn, Silesian University of Technology, Poland
Marzena Kramarz, Silesian University of Technology, Poland

40060 Understanding the Role of Scaling in Smart City Strategies: Evidence from German Municipalities
Wintana Tsigeyohanes Habte, Justus Liebig University Giessen, Germany

Session 14 [SMART]

Session Chair: Naavya Shetty

40065 Smart Mobility as a Structuring Lever of Smart Cities: Technologies, Governance, and Sustainability Challenges
Nouhaila Belmajdoub, IAV Hassan II, Morocco

40069 A New Approach to Urban Planning Based on Daily Life Rhythms Using Human Mobility Data
Taichi Amaya, The University of Tokyo, Japan

Session 15 [BIMS/BUSTECH]: Modern BI Architectures for Enterprise Performance Management and Company Steering

Session Chair: Maik Drozdzyński

Papers: TBD

Session 16 [CPAI/COGNITIVE, SMART]: Cognitive and Psychological Impacts of AI Adoption

Session Chair: Kristina Schaaff

Papers: TBD

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40073 Development of Urban Dashboard for Smart District Planning and Management

Jun Okada, the University of Tokyo, Japan

Session 17 [COGNITIVE/BRAINCOMAUG]: Brain Computer Interface for AI Augmented Human Cognition

Chair: Jayfus T. Doswell

Session 18 [Q]

Chair: TBD