

On site Activities (*preliminary*) Program

Conference Hotel

Conference Venue Location

Conference will be mixed online and on location at

Holiday Inn Express València - Ciudad Las Ciencias

Escritor Rafael Ferreres 22

València, 46013, Spain

Email: repcion@expresshivalencia.com

Recepción: + 34-96-3162530

Hacer una reserva: 1 888 HOLIDAY (1 888 465 4329)

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Site: <https://www.ihg.com/holidayinnexpress/hotels/us/es/valencia/vlcsp/hoteldetail>

Updated as of November 8th, 2023.

The program will be continuously updated.

SoftNet 2023: <https://www.iaia.org/conferences2023/SoftNet23.html>

IARIA Congress 2023: <https://www.iaia.org/conferences2023/IARIACongress23.html>

SocSys: <https://www.iaia.org/conferences2023/SocSys23.html>

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

Time slots	Activity
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Monday, November 13

10:30am	Registration starts The registration desk is located in front of the conference rooms The reception is operating during the entire conference
12:15 - 12:30	Opening session Prof. Dr. Petre Dini
12:30 - 13:45	Tutorial Speech Theme: How to run the Simulations and Interpret the Simulation Results Speaker Prof. Dr. Carlo Simon, Hochschule Worms, Germany Chair Petre Dini
13:45 - 14:00	Coffee
14:00 - 15:15	Open Discussion

	<p align="center">Theme: Diving into generative-AI to Assess its Current Status</p> <p align="center">Coordinator Prof. Dr. Petre Dini, IARIA, USA/EU</p>
15:15 - 15:45	Coffee Break
15:45 - 17:00	Session 1A
17:00 - 17:15	Coffee
17:15 - 19:00	<p align="center">Panel #1</p> <p>Theme: Societal Well-being Impact of Digitization, Virtualization, Industry 5.0, and AI</p> <p align="center">Moderator Prof. Dr. Herwig Mannaert, University of Antwerp, Belgium</p> <p align="center">Panelists Dr. Corné de Ruijt, Windesheim University of Applied Sciences, The Netherlands Prof. Dr. Hirokazu Hasegawa, National Institute of Informatics, Japan Emeritus Prof. Dr. Malcolm Crowe, University of the West of Scotland, UK Prof. Dr. Petre Dini, IARIA, USA/EU</p>
19:00 - 20:30	Welcome Cocktail

Tuesday, November 14

09:00 - 10:00	<p align="center">Keynote Speech</p> <p align="center">Theme: Governing Healthcare as a System of Systems</p> <p align="center">Speaker Prof. Dr. Mo Mansouri, Stevens Institute of Technology, USA</p> <p align="center">Chair Anders Fongen</p>	
10:00 - 10:30	Coffee Break	
10:30 - 12:15	Session 2A	Session 2B
12:15 - 14:00	Lunch on your own	
14:00 - 16:00	Session 3A	Session 3B
16:00 - 16:30	Coffee	
16:30 - 18:15	Session 4A	Session 4B
18:15 - 18:45	Coffee Break	
18:45 - 20:45	<p align="center">Panel #2</p> <p>Theme: Explainability and Self-Control on AI-driven Narratives/Systems</p> <p align="center">Moderator Prof. Dr. Stephan Böhm, Hochschule RheinMain, Germany</p> <p align="center">Panelists Prof. Dr. Martin Zimmermann, Offenburg University, Germany Prof. Dr. Radek Koci, Brno University of Technology, Czech Republic Prof. Dr. Mo Mansouri, Stevens Institute of Technology, USA Prof. Dr. Matthias Harter, Hochschule RheinMain - University of Applied Sciences, Germany Prof. Dr. Anders Fongen, Norwegian Defence University College, Norge</p>	

Wednesday, November 15

09:00 - 10:00	<p align="center">Keynote Speech Theme: An Information Technology View from UWB to mmWave, up to VLC in Traffic Telematics Applications Speaker Prof. Dr Oliver Michler, TU Dresden, Germany Chair Jaime Lloret</p>	
10:00 - 10:30	Coffee Break	
10:30 - 12:15	Session 5A	Session 5B
12:15 - 14:00	Lunch on your own	
14:00 - 15:45	Session 6A	Session 6B
15:45 - 16:15	Coffee Break	
16:15 - 18:00	Session 7A	Session 7B
18:00 - 18:15	Coffee	
18:15 - 19:30	<p align="center">Panel #3 Theme: Simulation and Validation Challenges for AI-based Complex Systems Moderator Prof. Dr. Carlo Simon, Hochschule Worms, Germany Panelists Prof. Dr. Mart Verhoog, IU International University of Applied Sciences, Germany Sr. Adv. Jos van Rooyen, Huis voor softwarekwaliteit, Nederland Prof. Dr. Isaac Caicedo-Castro, Universidad de Córdoba, Colombia Prof. Dr. Christos Kalloniatis, University of the Aegean, Greece</p>	
20:20 - 20:30	Walking towards the Restaurant	
20:30 - 23:30	<p align="center">Conference Dinner Restaurante Don Pelayo Junto Ciudad Justicia y Artes y Las Ciencias, Carrer d'Antonio Sacramento, 17, 46013 Valencia, Spain</p>	

Thursday, November 16

09:00 - 10:00	<p align="center">Keynote Speech Theme: Stochastic Supply Chain Costs Minimization under Disruption Risks and Determination of Critical Nodes Speaker Lect. Dr. Tim von der Brück, Distance University Switzerland (FFHS), Switzerland Chair Sibylle Frösche</p>	
10:00 - 10:30	Coffee Break	
10:30 - 12:15	Session 8A	Session 8B
12:15 - 14:00	Lunch on your own	
14:00 - 15:45	Session 9A	Session 9B
15:45 - 16:15	Coffee	
16:15 - 18:00	Session 10A	
18:00 - 18:30	Coffee break	
18:30 - 20:30	<p align="center">Panel #4 Theme: Making Profit from Generative-AI in Education and Health Systems Moderator Dr. Hans-Werner Sehring, Nordakademie – University of Applied Sciences, Hamburg,</p>	

	<p style="text-align: center;">Germany Panelists Prof. Dr. Simona Vasilache, University of Tsukuba, Japan Prof. Dr. Isaac Caicedo-Castro, Universidad de Córdoba, Colombia Prof. Dr. Zhijie Xu, University of Huddersfield, United Kingdom Prof. Dr. Gerhard Hube, THWS Würzburg-Schweinfurt, Germany</p>
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Friday, November 17

09:00 - 10:45	<p>Panel #5 Theme: The Challenges of Leveraging AI our Everyday Workflow Processes Moderator Dr. Steve Chan, Decision Engineering Analysis Laboratory, VTIRL, VT, USA Panelists Prof. Dr. Sibylle Fröschle, Technische Universität Hamburg, Germany Prof. Dr. Marko Jantti University of Eastern Finland, School of Computing, Finland Dr. Hans-Werner Sehring, Nordakademie – University of Applied Sciences, Hamburg, Germany Prof. Dr. Michael Spranger, University of Applied Sciences Mittweida, Germany Eng. Marina Galiano Botella, CSIRT-CV, Spain</p>
10:45 - 11:15	<p>Coffee Break</p>
11:15 - 12:15	<p>Keynote Speech Theme: Creation and Control of Magnetic Structures in Amorphous Microwires Used in Magnetic Sensors Speaker Prof. Dr. Oleksandr Chizhik, University of Basque Country, San Sebastian, Spain Chair Jaime Lloret</p>
12:15 - 12:30	<p>Coffee</p>
12:30 - 13:30	<p>Keynote Speech Theme: Anatomy of Generalized Wireless Fading Channels Speaker Prof. Dr. Dragana Krstic, University of Niš, Serbia Chair Steve Chan</p>
13:30 - 14:00	<p>Coffee Break</p>
14:00 - 15:45	<p>Session 11A</p>
15:45 - 16:15	<p>Farewell and Coffee Closing session: Petre Dini</p>

Recommended tourist objectives to be visited on your own:

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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 Valência: Catedral, história, arquitetura

Museu de Belles Arts de València: Museu, arte, cultura, arquitectura
Institut Valencià d'Art Modern: Arte, museu, arquitectura, cultura

MONDAY Session 1A [INNOV, HEALTHINFO, ICSNC]

Session Chair: Carlo Simon

80039 A Secure Blockchain for HER

Jihad Qaddour, Illinois State University, USA

70007 Two-Stage Object Detectors: A Critical Evaluation

Jihad Qaddour, Illinois State University, USA

50239 Moment Generating Function Based Calculation of Average Bit Error Probability in an α - μ Fading Environment with Selection Diversity Receiver

Dragana Krstic, University of Niš, Faculty of Electronic Engineering, Serbia

TUESDAY Session 2A [ICSEA]

Session Chair: Luciane Fadel

10022 Exploring the Creation and Added Value of Manufacturing Control Systems for Software Factories

Mannaert Herwig, University of Antwerp, Belgium

10030 Design elements for a Space Information Network Operating System

Anders Fongen, Norwegian Defence University College, Norway

10057 Combining Retrieval and Classification: Balancing Efficiency and Accuracy in Duplicate Bug Report Detection

Qianru Meng, Leiden University, Netherlands

10064 Elderly, with location data, while shopping?" Spotting Privacy Threats Beyond Software: A Quasi Experimental Study

Tuisku Sarrala, University of Jyväskylä, Finland

TUESDAY Session 3A [IARIA Congress, MODERN SYSTEMS, HEALTHINFO]

Session Chair: Anders Fongen

80077 Proposal and Evaluation of Optical Sensor to Identify Liquids in Liquid Intake Detection System Using Smart Bottles

Jaime Lloret, Universitat Politecnica de Valencia, Spain

50071 The Screen is not Flat

Luciane Fadel, Federal University of Santa Catarina, Brazil

10006 Antifragile Cities – Decision Support Tools to Support the Implementation of the Climate-neutral and Smart Cities

Theocharis Vlachopanagiotis, Rhoe, Greece

TUESDAY Session 4A [CENTRIC/GENIUS]

Session Chair: Stephan Böhm

30002 LLM Assisted No-code HMI Development for Safety-Critical Systems: Insights of a Short Empirical Study

Matthias Harter, Hochschule RheinMain - University of Applied Sciences, Deutschland

38007 American Sign Language Recognition using Convolutional Neural Networks

Fatima-Zahrae El-Qoraychu, The University of Technology of Belfort Montbeliard, France

38008 Using ChatGPT-4 for the Identification of Common UX Factors within a Pool of Measurement Items from Established UX Questionnaires

Stefan Graser, RheinMain University of Applied Sciences, Germany

30009 AI-based Mobile App Prototyping - Status Quo, Perspectives and Preliminary Insights from Experimental Case Studies

Stephan Böhm, RheinMain University of Applied Sciences, Germany

WEDNESDAY Session 5A [SOTICS, VALID, HEALTHINFO]

Session Chair: Mart Verhoog

60007 Stock Price Prediction Based on Investor Sentiment Using BERT and Transformer Models

Chien-Cheng Lee, Yuan Ze University Taoyuan, Taiwan

60021 Emoji Trends Between Abnormal Usage and Cultural Differences: A Case Study of Emojis

Ahmed Almohanadi, Tokyo Metropolitan University, Japan

40025 Industrial report: Embedding Quality assurance in an Agile/Safe development approach

Jos van Rooyen, Huis voor softwarekwaliteit, Nederland

80027 Medication Adherence Prediction for Homecare Patients, using Medication Delivery Data

Ben Malin, Brunel University London, United Kingdom

WEDNESDAY Session 6A [CENTRIC]

Session Chair: Matthias Harter

30022 Towards a minimalistic stress classification method based on HRV

Roswitha Duwenbeck, Universität Duisburg-Essen, Germany

30014 Design and Implementation of Access Control Method based on Correlation among Files

Yuki Kodaka, The Graduate University for Advanced Studies, Japan

30027 Developing Context-Based Applications Using Visual Programming - Case Studies on Mobile Apps and Humanoid Robot Applications

Martin Zimmermann, Offenburg University, Germany

30031 Agile and Reliable Design Decisions based on the Perception of the Target Audience

Raquel Marzo, Instituto de Biomecánica, Spain

WEDNESDAY Session 7A [SIMUL]

Session Chair: Martin Zimmermann

50004 Urban Consolidation Centers – an Analysis of Internal Processes Using Discrete Event Process Simulation

Max Wuennenberg, Technical University of Munich, Germany

50018 Real World Case Study To Teach Simulation

Lara Zakfeld, HS Worms, Germany

Carlo Simon, Hochschule Worms, Germany

50033 LookAhead - A New Approach for Event Handling in Co-Simulation by Predicting State Events

Felix Tischer, VIRTUAL VEHICLE Research Center, Austria

50043 How Marketing and Sales can Push and Accelerate Residential Refurbishment

Mart Verhoog, IU International University of Applied Sciences, Germany

THURSDAY Session 8A [ICSEA]

Session Chair: Lara Zakfeld

10074 A Software Engineer's Oath: Perceptions of Computer Ethics in a Multicultural Classroom

Simona Vasilache, University of Tsukuba, Japan

10090 Prerequisites for Simulation-Based Software Design and Deployment

Radek Koci, Brno University of Technology, Czech Republic

10095 Engineering IoT-based Software Systems for Forestry: A Case Study

Marko Jäntti, University of Eastern Finland, Finland

10048 OSS-Fuzzgen: Automated Fuzzing of Open Source Java Projects

Sheung Chi Chan, Ada Logics, United Kingdom

THURSDAY Session 9A [ICSNC]

Session Chair: Marko Jäntti

20010 Full Mesh Networking Technology with Peer-to-Peer Grid Topology Based on Variable Parameter Full Dimensional Space

Chuan He, JIT Research Institute, China

20024 Measurement of Concentration in the Colombian Mobile Telecommunications Market based on the Linda Index

Cesar Hernandez, Universidad Distrital Francisco Jose de Caldas, Colombia

20029 Feasibility Verification of Access Control System for Telecommuting by Users Reliability Calculation

Atsushi Shinoda, Nagoya University, Japan

THURSDAY Session 10A [HEALTHINFO]

Session Chair: Jaime Lloret

80006 Identifying Key Factors in right Ventricular Involvement in Ischaemic and Non-ischaemic Cardiomyopathies

Carlos Barroso Moreno, Universidad Europea de Madrid, Spain

80011 Biomechanical Perspective on Effect of Angle in arm swing movement on Vertical Ground Reaction Force for Gait Improvement

Sota Miura, Kochi University of Technology, Japan

80020 Attempt for Estimation of Vertical Ground Reaction Force by Deep Learning with Time Factor from 2D Walking Images

Takeshi Mochizuki, Kochi University of Tecghnology, Japan

80022 Dataset, Usability and Process - Developing an Interdisciplinary, Multimodal Data Collection Application and Platform for a Rare Disease

Jonathan Turner, Trinity College Dublin, Ireland

FRIDAY Session 11A [IARIA Congress]

Session Chair: Dragana Krstic

50028 Magneto-optical Optimizations of Magnetic Microwires for GMI Sensors

Alexander Chizhik, Universidad del Pais Vasco, Spain

50237 The Triumvirate of Bespoke Diverse Hybridized Activation Functions, Adaptive Momentum, and Enhanced Entropic Wavelet Energy Spectrum Discernment for Higher Efficacy Detection of Artificial Intelligence-centric Attacks

Steve Chan, Decision Engineering Analysis Laboratory, VTIRL, VT, USA

50045 Security Process for Adopting Machine to Machine Communication for Maintenance in Transportation with a Focus on Key Establishment

Sibylle Fröschle, TU Hamburg, Germany

TUESDAY Session 2B [SOCIETY TRENDS]

Session Chair: Isaac Caicedo-Castro

40002 Chord Extraction Method in Development of a Score Click Playback System

Kenta Morita, Suzuka University of Medical Science, Japan

40009 Synchronized Recording System Using Multiple Smartphones

Naoki Morita, Tokai University, Japan

40013 Measuring AI Education Performance with Flipped Learning based on Bloom's Taxonomy Objectives

Hyo-Jin Kim, POSTECH, South Korea

40005 Universally Designed Augmented Reality (AR) for the School of the Future

Joschua Thomas Simon-Liedtke, Norsk Regnesentral, Norway

TUESDAY Session 3B [INNOV, MODERN SYSTEMS, PREDICTION SOLUTIONS]

Session Chair: Valentina Zhukova

70011 On-Demand Clock Boosting for Secure Remote Work System
Justus von der Beek, Technical University Munich, Germany

10010 Evaluation of different Systems Engineering Approaches as Solutions to Cross-Lifecycle Traceability Problems in Product Development: A Survey
Sina Hajiaghapour, University of Wuppertal, Germany

30002 Bridging the Gap: End-User Programmers in Modern Supply Chain Analytics”
Corné de Ruijt, Windesheim University of Applied Sciences, Netherlands
Ritsaart Bergsma, Windesheim University of Applied Sciences, Nederland

10017 Image Processing to Evaluate Post-harvest Damages on Grapes and Their Impact on Fruit Aspect
Jaime Lloret, Universitat Politecnica de Valencia, Spain

TUESDAY Session 4B [IARIA Congress]

Session Chair: Justus von der Beek

50078 Exploring the Temperature Dependent Magnetic Properties and Magnetoimpedance Effect in Fe-rich Microwires for Temperature Monitoring
Valentina Zhukova, Dept. Polym. Adv. Materials, Univ. Basque Country, UPV/EHU, Spain

50139 Development of Free Space Microwave Sensing of Carbon Fiber Composites with Ferromagnetic Microwire Inclusions
Arcady Zhukov, Dept. Polym. Adv. Materials, University Basque Country, UPV/EHU, Spain

50152 Electric Network Frequency Optical Sensing Devices
Constantine Kotropoulos, Aristotle University of Thessaloniki, Greece

50051 WiFi CSI/RSSI Fingerprints Positioning based on Data Augmentation Technique
Koichi Umimoto, Osaka Electro-Communication University, Japan

WEDNESDAY Session 5B [IARIA Congress]

Session Chair: Malcolm Crowe

50033 Social Requirements for designing Self-Adaptive Privacy Schemes in Cloud
Christos Kalloniatis, University of the Aegean, Greece

50098 Towards hypothesis-driven forensic text exploration system
Michael Spranger, University of Applied Sciences Mittweida, Germany
Jenny Felser, University of Applied Sciences Mittweida, Germany

50157 Physical Demonstrator of Medical Imaging Unit: Threat Analysis and Protection Strategies in Cybersecurity
Marina Galiano, CSIRT-CV + S2 Grupo, España

50159 Towards a Secured City: The Contribution of the Smart City Physical Demonstrator in Threat
Marina Galiano, CSIRT-CV + S2 Grupo, España

WEDNESDAY Session 6B [IARIA Congress, CENTRIC]

Session Chair: Marina Galiano

50112 Development and Application of a New Ontology in the Context of Hybrid AC/DC Grids
Alessandro Rossi, Engineering Ingegneria Informatica S.p.A., Italy

50167 Verification Tasks through Deep Learning in a Semantic Information Extraction System
Angel Luis Garrido, University of Zaragoza, Spain

50241 Estimating Text Similarity based on Semantic Concept Embeddings
Tim vor der Brück, FFHS, Germany

30009 The Multi-Color Contrast Checker (M3C)
Joschua Thomas Simon-Liedtke, Norsk Regnesentral, Norway

WEDNESDAY Session 7B [IARIA Congress, SIMUL]

Session Chair: Tim vor der Brück

50170 Model-supported Software Creation: Towards Holistic Model-driven Software Engineering
Hans-Werner Sehring, NORDAKADEMIE gemeinnützige AG, Germany

50183 Cod Catch Forecasting through Machine Learning Algorithms at the Haul Level
Huamin Ren, Kristiania University College, Norway

50247 Database Technology Evolution II: Graph Database Language
Malcolm Crowe, University of the West of Scotland, United Kingdom, Scotland

50014 Approach to a Holistic Modelling of Cycling Dynamics
Yannick Rauch, Karlsruhe University of Applied Science, Germany

THURSDAY Session 8B [IARIA Congress]

Session Chair: Gerhard Hube

50185 Non-deterministic Operation Profiles based on Multi-Layer Interest Landscapes for Autonomous Robotic Teams
Florian Segor, FRAUNHOFER IOSB, Germany

50208 Application of TpM Methodology for Retrofit 4.0 in Legacy Industrial Plants
Andrei Tchepurnoy Machado, UNICAMP State University of Campinas Brazil, Brazil

50179 Sensorization and Optimization of Industrial Graphic Arts Machinery using Artificial Intelligence Techniques
Angel Luis Garrido, University of Zaragoza, Spain

THURSDAY Session 9B [IARIA Congress]

Session Chair: Eduardo Mena

50213 BCI-based Game Control to Boost Focus and Attention in Students

Komalpreet Kaur, Salem State University, United States

50222 Forecasting Failure Risk in Early Mathematics and Physical Science Courses in the Bachelor Degree in Engineering

Isaac Caicedo-Castro, Universidad de Córdoba, Colombia

50108 Comparison of 2D Virtual Learning Environments with Classic Video Conferencing Systems for Tertiary Education

Gerhard Hube, THWS Würzburg-Schweinfurt, Germany

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