

# On site Activities (*preliminary*) Program

Holiday Inn Express Valencia-Ciudad Las Ciencias

Escritor Rafael Ferreres 22

Valencia, 46013

Spain

**Updated as of Nov 10, 2022**

**The program will be continuously updated**

**NexTech 2022:** <https://www.iaria.org/conferences2022/ProgramUBICOMM22.html>

**TrendNews 2022:** <https://www.iaria.org/conferences2022/ProgramDIGITAL22.html>

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

Time slots	Activity
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## Monday, Nov 14<sup>th</sup>

12:00am	<b>Registration starts</b> The registration desk is located in front of the conference rooms Operating during the entire conference  Coordinators Laura Garcia, Universitat Politecnica de Valencia, Spain Sandra Viciano, Universitat Politecnica de Valencia, Spain
13:15 - 13:30	<b>Opening session</b> Prof. Dr. Jaime Lloret Mauri
13:30 - 14:30	<b>Keynote Speech</b> <b>Small Data Deep Learning in AI-aided Medical Image Diagnosis</b> Prof. Dr. Kenji Suzuki, Tokyo Institute of Technology, Japan Chair: Prof. Dr. Petre Dini
14:30 - 15:00	<b>Coffee Break</b>
15:00 - 16:00	<b>Keynote Speech</b> <b>Intelligent Urban Air Mobility</b> Prof. Dr. Ivana Semanjski, Ghent University, Belgium Chair: Dr. Laura Garcia
16:00 - 17:00	<b>Session 1 [DATA ANALYTICS/ TTASC]</b>
17:30	<b>Welcome Cocktail</b>

## Tuesday, Nov 15<sup>th</sup>

09:00 - 10:00	<p align="center"><b>Keynote Speech</b>  <b>Group-based Self-organizing Networks</b>  Prof. Dr. Jaime Lloret Mauri, Universitat Politecnica de Valencia, Spain  Chair: Prof. Dr. Petre Dini</p>
10:00 - 10:30	<b>Coffee Break</b>
10:30 - 12:15	<b>Session 2 [DATA ANALYTICS, SEMAPRO]</b>
12:15 - 14:00	Lunch on your own
14:00 - 15:45	<b>Session 3 [ADVCOMP, UBICOMM]</b>
15:45 - 16:00	<b>Coffee</b>
16:00 - 17:00	<p align="center"><b>Keynote Speech</b>  <b>Modern Technologies for Closing Farmers to Precision Agriculture</b>  Prof. Dr. Sandra Sendra Compte, Universitat Politecnica de Valencia, Spain  Chair: Prof. Dr. Ivana Semanjski</p>
17:00 - 17:30	<b>Coffee Break</b>
17:30 - 19:30	<p align="center"><b>Open Discussion</b>  <b>Cyber-systems Protection by Design</b>  <b>Facilitator</b>  Prof. Dr. Petre Dini, IARIA, USA/EU</p> <p align="center"><b>Invitees</b>  Dr. CTO Daniel Kaestner, AbsInt GmbH, Germany  Prof. Dr. Nader Mir, San Jose State University, USA  Prof. Dr. Michael Massoth, Hochschule Darmstadt (h_da), Germany  Prof. Dr. Reiner Kriesten, Karlsruhe University of Applied Sciences, Germany</p>
19:30 - 20:00	<b>Coffee</b>
20:00 - 20:20	<b>Walking to the Restaurant</b>
20:30 - 23:30	<p align="center"><b>Conference Dinner</b>  Restaurante Don Pelayo  Junto Ciudad Justicia y Artes y Las Ciencias, Carrer d'Antonio Sacramento, 17, 46013  Valencia, Spain</p>

**Wednesday, Nov 16<sup>th</sup>**

09:00 - 10:00	<p align="center"><b>Keynote Speaker</b>  <b>Verification Objectives for Cybersecurity and Safety - Friend or Foe?</b>  Co-founder and CTO, Dr. Daniel Kästner, AbsInt GmbH, Germany  Chair: Prof.</p>
10:00 - 10:30	<b>Coffee Break</b>
10:30 - 12:15	<b>Session 5 [CYBER]</b>
12:15 - 14:00	Lunch on your own
14:00 - 15:45	<b>Session 6 [EMERGING]</b>
15:45 - 16:15	<b>Coffee Break</b>
16:15 - 17:15	<p align="center"><b>Keynote Speaker</b>  <b>Wireless Sensor Networks and Remote Sensing in Coastal Zone Monitoring</b>  Dr. Lorena Parra Boronat, Universitat Politecnica de Valencia, Spain</p>
17:15 - 19:15	<b>Session 7 [DIGITAL, Special DIGITAL]</b>

**Thursday, Nov 17<sup>th</sup>**

09:00 - 10:45	<b>Attendees Networking</b>
10:45 - 11:00	<b>Coffee</b>
11:00 - 12:00	<b>Committee Meeting for 2023 Events</b>
12:00	<b>Closing and Farewell</b>
afternoon	<b>City strolling – On your own</b>

**Friday, Nov 18<sup>th</sup>**

**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 Valência: Catedral, história, arquitetura

Museu de Belles Arts de Valência: Museu, arte, cultura, arquitetura

Institut Valencià d'Art Modern: Arte, museu, arquitetura, cultura

**Session 1 [DATA ANALYTICS / TTASC]**

Session Chair: Ivana Semanjski

Overview of European Union Guidelines and Regulatory Framework for Drones in Aviation in the Context of the Introduction of Automatic and Autonomous Flight Operations in Urban Air Mobility

Elham Fakhraian, Ghent University, Belgium

Aircraft Path Planning for UAM applications

Ivana Semanjski, Ghent University, Belgium

**Session 2 [DATA ANALYTICS, SEMAPRO]**

Session Chair: Sandra Viciano

Practices for Data Sharing: An Empirical Survey

Andrei Raoul Morariu, Åbo Akademi University, Finland

Using Deep Learning for Automated Tail Posture Detection of Pigs

Jan-Hendrik Witte, University of Oldenburg, Germany

Towards Exchanging Wearable-PGHD with EHRs: Developing a Standardized Information Model for Wearable-based Patient Generated Health Data

Abdullahi Abubakar Kawu, Technological University Dublin, Ireland

Towards Style Classification for Fashion Recommender Systems

René Kessler, University of Oldenburg, Germany

**Session 3 [ADVCOMP, UBICOMM]**

Session Chair: Sandra Sendra Compte

Towards a semantic model for wise systems A graph matching algorithm

Ilham Alloui, LISTIC, France

Abdelhafid Dahhani, LISTIC, France

Identification of critical nodes and links in a supply chain by robust optimization

Tim vor der Brück, Hochschule Luzern, Switzerland

A Programming Model for Heterogeneous CPS from the Physical Point of View

Martin Richter, Chemnitz University of Technology, Germany

A Fog Computing Application using Knowledge-Based Collaborative Sensors. Use cases: Noise annoyance monitoring and control of a sun tracker

Joaquin Canada-Baggo, University of Jaen, Spain

Jose Angel Fernandez-Prieto, University of Jaen, Spain

#### **Session 4 [GLOBAL HEALTH / special]**

Session Chair: Les Sztandera

#### **LIVE ONLY**

Tuesday, November 15, 2022

12:40 PM - 2:25 PM (New Work time) // 18:40 - 20:25 (Valencia time)

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

Join Zoom Meeting

<https://jefferson.zoom.us/j/98949844722>

Meeting ID: 989 4984 4722

Passcode: will be sent via email

Introduction

Les Sztandera

Health Interventions on the African Continent

Les Sztandera, Thomas Jefferson University, USA

COVID-19 Pandemic: Challenges in eyecare delivery in India

Anthony Vipin Das, LV Prasad Eye Institute, India

Network Analysis of a Healthcare system during the COVID-19 Pandemic

Jeanne Ruane, University of Pennsylvania, USA

#### **Session 5 [CYBER]**

Session Chair: Daniel Kästner

Security analysis of embedded systems using virtual prototyping

Yasamin Mahmoodi, FZI (Forschungszentrum Informatik), Germany

Attack Path Generation Based on Attack and Penetration Testing Knowledge

Reiner Kriesten, Karlsruhe University of Applied Sciences, Germany

Security Information Quality Provided by News Sites and Twitter

Ryu Saeki, Fukuoka Institute of Technology, Japan

Efficiency of an Artificial Intelligence-based Chatbot Support for an IT-Awareness and Cybersecurity Learning Platform

Michael Massoth, Hochschule Darmstadt (h\_da) - University of Applied Sciences Darmstadt, Germany

## **Session 6 [EMERGING]**

Session Chair: Lorena Parra Boronat

Optimal Multi-Tenant Cloud Network Latency for Inter-Device Caching  
Nader Mir, San Jose State University in California, USA

Calculations of the Packet Loss Ratio in Finite-Buffer Queues  
Andrzej Chydzinski, Silesian University of Technology, Poland

Privacy Protected Identification of User Clusters in Large Organizations based on Anonymized Mattermost User and Channel Information  
Igor Jakovljevic, Graz University of Technology, Austria

## **Session 7 [DIGITAL + DIGITAL / XAISG special]**

Session Chair: Atriya Sen

On site and **LIVE**

Wednesday, November 16, 2022

17:15 - 19:15 (Valencia time)

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

Join Zoom Meeting

<https://uno.zoom.us/j/8838487282>

Meeting ID: 883 848 7282

Passcode: to be sent via email

Digital Transformation Technologies  
Salim Awudu, University of Strathclyde, UK

From Clear to Dark: The Social Media Platform Anonymity Continuum  
David Kenny, DCU Business School, Ireland

War-Gaming Needs Argument-Justified AI More Than Explainable AI  
John Licato, University of South Florida, USA

Can “Provably Beneficial AI” Save Us?  
Selmer Bringsjord, Rensselaer Polytechnic Institute, USA

Toward Comparing Knowledge Acquisition in DeepRL Models  
Atriya Sen, University of New Orleans, USA