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](https://www.iaria.org/conferences2022/ProgramUBICOMM22.html)

TrendNews 2022: [https://www.iaria.org/conferences2022/ProgramDIGITAL22.html](https://www.iaria.org/conferences2022/ProgramDIGITAL22.html)

Timezone converter: [https://www.worldtimebuddy.com/](https://www.worldtimebuddy.com/)

<table>
<thead>
<tr>
<th>Time slots</th>
<th>Activity</th>
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</table>
| 12:00am     | **Registration starts**
              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 | **Opening session**
               Prof. Dr. Jaime Lloret Mauri |

| 13:30 - 14:30 | **Keynote Speech**
               **Small Data Deep Learning in AI-aided Medical Image Diagnosis**
               Prof. Dr. Kenji Suzuki, Tokyo Institute of Technology, Japan
               Chair: Prof. Dr. Petre Dini |

| 14:30 - 15:00 | **Coffee Break** |

| 15:00 - 16:00 | **Keynote Speech**
               **Intelligent Urban Air Mobility**
               Prof. Dr. Ivana Semanjski, Ghent University, Belgium
               Chair: Dr. Laura Garcia |

| 16:00 - 17:00 | **Session 1 [DATA ANALYTICS/ TTASC]** |

| 17:30 | **Welcome Cocktail** |

Tuesday, Nov 15th
<table>
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<tr>
<th>Time</th>
<th>Event</th>
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| 09:00 - 10:00 | **Keynote Speech**  
Group-based Self-organizing Networks  
Prof. Dr. Jaime Lloret Mauri, Universitat Politecnica de Valencia, Spain  
Chair: Prof. Dr. Petre Dini |
| 10:00 - 10:30 | Coffee Break                                                        |
| 10:30 - 12:15 | Session 2 [DATA ANALYTICS, SEMAPRO]                                  |
| 12:15 - 14:00 | Lunch on your own                                                   |
| 14:00 - 15:45 | Session 3 [ADVCOMP, UBICOMM]                                        |
| 15:45 - 16:00 | Coffee                                                              |
| 16:00 - 17:00 | **Keynote Speech**  
Modern Technologies for Closing Farmers to Precision Agriculture  
Prof. Dr. Sandra Sendra Compte, Universitat Politecnic de Valencia, Spain  
Chair: Prof. Dr. Ivana Semanjski |
| 17:00 - 17:30 | Coffee Break                                                        |
| 17:30 - 19:30 | **Open Discussion**  
Cyber-systems Protection by Design  
**Facilitator**  
Prof. Dr. Petre Dini, IARIA, USA/EU  
**Invitees**  
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 |
| 19:30 - 20:00 | Coffee                                                              |
| 20:00 - 20:20 | Walking to the Restaurant                                          |
| 20:30 - 23:30 | **Conference Dinner**  
Restaurante Don Pelayo  
Junto Ciudad Justicia y Artes y Las Ciencias, Carrer d'Antonio Sacramento, 17, 46013 Valencia, Spain |

**Wednesday, Nov 16th**

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

**Thursday, Nov 17th**
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>09:00 - 10:45</td>
<td>Attendees Networking</td>
</tr>
<tr>
<td>10:45 - 11:00</td>
<td>Coffee</td>
</tr>
<tr>
<td>11:00 - 12:00</td>
<td>Committee Meeting for 2023 Events</td>
</tr>
<tr>
<td>12:00</td>
<td>Closing and Farewell</td>
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<tr>
<td>afternoon</td>
<td>City strolling – On your own</td>
</tr>
</tbody>
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Friday, Nov 18th

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 València: Museu, arte, cultura, arquitetura
- Institut Valencià d'Art Modern: Arte, museu, arquitetura, cultura

Session 1 [DATA ANALYTICS / TTASC]

Session Chair: Ivana Semanjski

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
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