

On site Activities (*preliminary*) Program

Conference Hotel
Conference Venue Location

Hotel Novotel Cap 3000 in Nice / Saint Laurent du Var
40 avenue du Verdun
06700 Saint Laurent du Var
Tel (+33)4/93195555 - Fax (+33)4/93195559
Email h0414@accor.com

Updated as of June 21st, 2023

The program will be continuously updated

DataSys 2023: <https://www.iaia.org/conferences2023/DataSys23.html>

ComputationWorld 2023: <https://www.iaia.org/conferences2023/ComputationWorld23.html>

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

Time slots	Activity
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Monday, June 26

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 - 14:00	Interactive Tutorial I A 360° View on AI: An Educated Take on Using AI-based Services for the Societal Wellbeing Lecturer Prof. Dr. Petre Dini, IARIA, USA/EU
14:00 - 14:30	Coffee
14:30 - 16:15	Session 1 [DAMIA/PATTERNS, COGNITIVE]
16:15 - 16:45	Coffee
16:45 - 18:30	Panel #1 Theme: The Brain and the Immersive Environments Moderator Prof. Dr. Ricardo Ron-Angevin, University of Málaga, Spain Panelists Dr Aurelie Mailloux, Reims Hospital, URCA Reims, France Pr. Lect. Dr. Lodewijk Arntzen, The Hague University of Applied Sciences, The Netherlands

	Prof. Dr. Manuel Caro, Universidad de Cordoba, Colombia
19:30 - 20:30	Welcome Cocktail

Tuesday, June 27

09:00 - 10:00	<p align="center">Keynote Speech ChatGPT for Scientific Writing: Navigating Potentials and Challenges Speaker Assoc. Prof. Dr. Simone Silvestri, University of Kentucky, USA Chair: Petre Dini</p>	
10:00 - 10:30	Coffee Break	
10:30 - 12:15	Session 2 [FAST-CAMS I / CLOUD]	Session 3 [COGNITIVE]
12:15 - 14:00	Lunch on your own	
14:00 - 16:00	<p align="center">Panel #2 Theme: Awareness on AI-Tools in Education Moderator Assoc. Prof. Dr. Simone Silvestri, University of Kentucky, USA Panelists Prof. Dr. Hanen Ochi, EFREI Lab Research, France Prof. Dr. Petre Dini, IARIA, USA/Europe Prof. Dr. Robert Laurini, KSI Fellow and Professor Emeritus INSA Lyon, University of Lyon, France</p>	
16:00 - 16:30	Coffee	
16:30 - 18:15	Session 4 [FAST-CAMS II / CLOUD]	Session 5 [AICT, MOBILITY]
18:15 - 18:45	Coffee Break	
18:45 - 20:45	<p align="center">Panel #3 Theme: Security Threats in Cloud-based Services Moderator Prof. Dr. Andreas Aßmuth, Ostbayerische Technische Hochschule Amberg-Weiden, Germany Panelists Sr Lect. Dr. Ian Ferguson, Abertay University, UK Prof. Dr. Christoph P. Neumann, Ostbayerische Technische Hochschule Amberg-Weiden, Germany Lieutenant Colonel Dr. Gerhard Schwarz, Bundeswehr (German Armed Forces), Germany Strategy Director, Dr. Jyrki Penttinen, Syniverse, USA</p>	

Wednesday, June 28

09:00 - 10:00	<p align="center">Keynote Speech A Research Agenda on Knowledge Management for Regional Policies Speaker Prof. Dr. Robert Laurini, KSI Fellow and Professor Emeritus INSA Lyon, University of Lyon, France Chair: Przemyslaw Pohec</p>
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10:00 - 10:30	Coffee Break	
10:30 - 12:15	Session 6 [COGNITIVE, PATTERNS]	Session 7 [SPWID, ACCSE, INFOCOMP]
12:15 - 14:00	Lunch on your own	
14:00 - 15:45	Keynote Speech Aggregators in Collaborative Prosumer Networks Prof. Dr. Lasse Berntzen, University of South-Eastern Norway, Norway Chair: Robert Laurini	
15:45 - 16:15	Coffee Break	
16:15 - 18:00	Panel #4 Theme: Challenges on Explainability of AI-based Decisions Moderator Prof. Dr. Panos Nasiopoulos, University of British Columbia, Canada Panelists Prof. Dr. Anders Fongen, Norwegian Defence University College, Norway Prof. Dr. Petre Dini, IARIA, USA/Europe Prof. Dr. Przemyslaw Pochech, University of New Brunswick, Canada Prof. Dr. Subhasish Mazumdar, New Mexico Tech, USA	
18:00 - 18:15	Coffee	
18:15 - 19:30	Open Discussion I Quality of Data/Information and the Accuracy AI-based Tools Coordinators Mgr Dr. Mirnig Alexander, AIT Austrian Institute of Technology, Center for Technology Experience, Austria Prof. Dr. Petre Dini, IARIA. USA/EU	
19:30 - 23:00	Conference Dinner Novotel Hotel	

Thursday, June 29

09:00 - 10:00	Keynote Speech Quantum Technology, Present Status and Future Possibilities Speaker Pr. Lect. Dr. Lodewijk Arntzen, The Hague University of Applied Sciences, The Netherlands Chair: Marc Kurz	
10:00 - 10:30	Coffee Break	
10:30 - 12:15	Session 8 [AIBAI/BUSTECH]	Session 9 [SMART]
12:15 - 14:00	Lunch on your own	
14:00 - 15:45	Session 10 [ICIW, IMMM, BUSTECH]	Session 11 [SMART]
15:45 - 16:15	Coffee	
16:15 - 18:00	Session 12 [PATTERNS, ADAPTIVE]	Session 13 [MOBILITY, INFOCOMP. PATTERNS]
18:00 - 18:30	Coffee break	
18:30 - 20:30	Panel #5 Theme: Cognition Challenges in Digital Society Moderator Pr. Lect. Dr. Lodewijk Arntzen, The Hague University of Applied Sciences, The	

	<p>Netherlands</p> <p>Panelists</p> <p>Prof. Dr. Marc Kurz, University of Applied Sciences, Austria</p> <p>Prof. Dr. Ahmed Kamel, Concordia College - Moorhead, USA</p> <p>Prof. Dr. Robert Laurini, KSI Fellow and Professor Emeritus INSA Lyon, University of Lyon, France</p> <p>Dr. Christoph Knieke, Technische Universität Clausthal, Germany</p> <p>Prof. Dr. Isaac Caicedo-Castro, University of Córdoba, Colombia</p>
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Friday, June 30

09:00 - 10:00	<p>Interactive Tutorial II</p> <p>A Common-sense Take on Awareness about AI-induced Human Society</p> <p>Lecturer</p> <p>Prof. Dr. Petre Dini, IARIA, USA/EU</p>	
10:00 - 10:30	<p>Coffee Break</p>	
10:30 - 12:15	<p>Session 14 [CONTENT, FUTURE COMPUTING]</p>	<p>Session 15 [EASCI/ADAPTIVE]</p>
12:15 - 12:30	<p>Coffee</p>	
12:30 - 14:15	<p>Open Discussion II</p> <p>Chasing the Wind: Emotional Intelligence of AI systems</p> <p>Coordinators</p> <p>Prof. Dr. Anders Fongen, Norwegian Defence University College, Norway</p> <p>Prof. Dr. Petre Dini, IARIA, USA/EU</p>	
14:15 - 14:30	<p>Farewell and Coffee</p> <p>Closing session: Petre Dini</p>	

Recommended tourist objectives to be visited on your own:

- Nice (direct bus, ~25 minutes/one way, every 15 minutes)
- Monaco/Monte Carlo (trains, every 30 minutes)
- Cannes (trains, every 30 minutes)
- Saint-Tropez (see agency offers at Novotel Hotel)

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Session 1 [DaMIA / PATTERNS, COGNITIVE]

Session Chair: Jens Weber

Introduction

Jens Weber, Baden-Wuerttemberg Cooperative State University Loerrach/ Mercedes-Benz AG, Germany

40027 Evaluation of different types of stimuli in a ERP-based BCI Speller under RSVP

Ricardo Ron-Angevin, University of Málaga, Spain

78001 Protecting Your Online Privacy: Insights on Digital Twins and Threat Detection

Sergej Schultenkämper, Bielefeld University of Applied Sciences, Germany

78002 Architecture Options to orchestrate Digital Twins in an Industrial Metaverse for the Predictive Production with AI methods

Bernd Lüdemann-Ravit, University of Applied Science Kempten, Germany

78003 Requirements for the Application of Knowledge Graphs in Body-In-White Manufacturing

Christian Graewe, NTT Data Deutschland AG, Germany

Open discussion and Closing remarks

Moderator: Jens Weber

Session 2 [FAST-CAMS I / CLOUD]

Session Chair: Andreas Aßmuth

Introduction

Andreas Aßmuth, Technical University of Applied Sciences OTH Amberg-Weiden, Germany

28001 Encrypted Container File: Design and Implementation of a Hybrid-Encrypted Multi-Recipient File Structure

Tobias Bauer, Technical University of Applied Sciences OTH Amberg-Weiden, Germany

28002 Generation of Distributed Denial of Service Network Data with Phyton and Scapy

Stefan Görtz, Ostbayerische Technische Hochschule, Germany

28003 Side Channel Monitoring for Fuzz Testing of Future Mobility Systems

Philipp Fuxen, OTH Regensburg, Germany

Session 3 [COGNITIVE]

Session Chair: Manuel Caro

40011 'A Multi-Agent Control and Automation Architecture with Integrated Flexible User Communication Agents

Ahmed Kamel, Concordia College - Moorhead, USA

40016 'ECG-based Seizure Prediction Utilizing Transfer Learning with CNN'

Chia-Yen Yang, Ming-Chuan University, Taiwan

40099 Design of an Innovative Simulation Device Dedicated to the Learning of Biomechanics applied to Orthodontics

Aurelie Mailloux, Reims Hospital, URCA Reims, France

Session 4 [FAST-CAMS II / CLOUD]

Session Chair: Sebastian Fischer

28004 Security Challenges for Cloud or Fog Computing-Based AI Applications

Andreas Aßmuth, Technical University of Applied Sciences OTH Amberg-Weiden, Germany

28005 On the Creation of a Secure Key Enclave via the Use of Memory Isolation in Systems Management Mode

Ian Ferguson, Abertay University, UK

28006 FoodFresh: Multi-Chain Design for an Inter-Institutional Food Supply Chain Network

Christoph P. Neumann, Technical University of Applied Sciences OTH Amberg-Weiden, Germany

28007 Information Dominance: Multi Level Security enabled Shared Information Space

Gerhard Schwarz, Bundeswehr, Germany

Open discussion and Closing remarks

Moderator: Andreas Aßmuth

Session 5 [AICT, MOBILITY]

Session Chair: Hendrik Nolte

10003 On Techno-Economic Optimization of Non-Public Networks for Industrial 5G Applications

Jyrki Penttinen, Syniverse Technologies, USA

10019 Movement generators in Mobile Medium Ad Hoc Network Simulation

Przemyslaw Pocheć, University of New Brunswick, Canada

70004 A Real-time Multiple People Tracking System in Complex Environment

Shi-Jinn Horng, Department of Computer Science and Information Engineering, Asia University, Taiwan

Session 6 [COGNITIVE, PATTERNS]

Session Chair: Isaac Caicedo-Castro

40061 Enhancing Cognitive Robots' Knowledge Transfer through Metacognitive Strategies

Manuel Caro, Universidad de Cordoba, Colombia

40075 DailyExp : A Tool for Collecting Cognitive Performance and Physiological Data in Daily Life with Engaging Behavioral Design

Xianyin, Hu, The University of Tokyo, Japan

40107 NN2EQCDT: Equivalent transformation of feed-forward neural networks as DRL policies into compressed decision trees'

Torben Logemann, Carl von Ossietzky University Oldenburg, Germany

70040 Best Practices (and Stumbling Blocks) for Diversity-Sensitive Behavior Change in Persuasive Application Design

Alexander G. Mirnig, AIT Austrian Institute of Technology, Center for Technology Experience, Austria

Session 7 [SPWID, ACCSE, INFOCOMP]

Session Chair: *Subhasish Mazumdar*

80002 A prototype towards a test bench for noninvasive transcutaneous carbon dioxide monitoring devices

Zakaria Tichout, CEA, France

80005 Skin Lesion Segmentation and Classification using Deep Learning Methods
Isidoros Perikos, Computer Technology Institute and Press Diophantus, Greece

90007 A Color Preserving Down-sampling Approach for 8K to 4K HDR Images
Panos Nasiopoulos, UBC, Canada

60018 Governance-Centric Paradigm: Overcoming the Information Gap between Users and Systems by Enforcing Data Management Plans on HPC-Systems
Hendrik Nolte, Gesellschaft für wissenschaftliche Datenverarbeitung mbH Göttingen, Germany,

Session 8 [AIBAI/BUSTECH]

Session Chair: Hanen Ochi

Introduction

Hanen Ochi, *EFREI Lab Research, France*

98001 Supervised classification with Deep Graph CNN
Rakia Jaziri, Paris 8 University, Saint Denis - France

98003 Blockchain For Optimized Digital Identity (DIDOs)
Abdessamad El Akroudi, Paris 8 University, Saint Denis - France

98004 BeeKnote: Voice Chatbot Assistant for the Beekeepers
Sid Ahmed Metidji, Efrei Research Lab, France

Open discussion and Closing remarks

Moderator: Hanen Ochi

Session 9 [SMART]

Session Chair: Zhenchao Ma

40019 Augmented-Reality Optical Narrowcasting (ARON)
Mark Squire, Surefire, LLC, USA
Narkis Shatz, SureFire LLC, USA

40030 Demonstration of Free-Space Optical Communications
Narkis Shatz, SureFire LLC, USA

40034 Driving the Future - A Comparative Analysis of Electric Vehicle Trends in Norway and Spain
Lasse Berntzen, University of South-Eastern Norway, Norway

Session 10 [ICIW, IMMM, BUSTECH]

Session Chair: Samuel Kosolapov

20016 Digital Practices and Uses in Secondary Schools: Achieving Digital Literacy - Digital collaborative space (DCS)
Hafida Hammadi, Gustave Eiffel University, France

90009 Technologies and Tools in Support of the Customer Experience Management Process: A Literature Review

Marie-Noëlle Forget, ESG UQAM, Canada

50009 A Swin Transformer Based Restoration Scheme for VVC Compressed Images

Zhenchao Ma, The University of British Columbia, Canada

90012 Strategic Agility of an Incumbent Firm and Chief Digital Officer in the Face of digital innovation: A microfoundation approach

Marie-Noëlle Forget, ESG UQAM, Canada

Session 11 [SMART]

Session Chair: Narkis Shatz

40005 Using Convolutional Neural Networks for Parking Sign Detection

Parnia Haji Faraji, University of British Columbia, Canada

40010 Technology Acceptance of Older People (55+) in Complex Sociotechnical Systems such as Smart Homes

Lucie Schmidt, Ernst-Abbe-Hochschule Jena, University of Applied Sciences, Germany,

40014 Inspiration from Systematic Literature Reviews to Predict the Future of Food Services in Smart Cities

Ana Sofia Freitas, Wish And Cook, Portugal

Análsa Lucena, University of Aveiro, Portugal

Session 12 [PATTERNS, ADAPTIVE, CLOUD]

Session Chair: Marie-Noëlle Forget

70027 Early Forecasting of At-Risk Students of Failing or Dropping Out of a Bachelor's Course Given Their Academic History - The Case Study of Numerical Methods

Isaac Caicedo-Castro, University of Córdoba, Colombia

50004 Towards Self-Adaptive User Interfaces by Holding Posture Recognition for Smartphones

Kurz Marc, University of Applied Sciences, Austria

20011 Challenges and Solutions in IoT Security: A Cross-Industry Perspective'

Ibrahim A El-Shekeil, Metropolitan State University, USA

Session 13 [MOBILITY, INFOCOMP, PATTERNS]

Session Chair: Przemyslaw Pocheć

70007 Exploring Spatial Transformation-Based Privacy in a Small Town

Subhashish Mazumdar, New Mexico Institute of Mining and Technology, USA

60024 Accuracy of Simulation of Wireless Technology using MATLAB and NS-3

David Newell, Bournemouth University, UK

70035 Spatiotemporal Modeling of Urban Sprawl Using Machine Learning and Satellite Data

Alexander Troussov, International Research Laboratory for Mathematical

Methods for Social Network Mining, RANEPa, Russia

Session 14 [CONTENT, FUTURE COMPUTING, PATTERNS]

Session Chair: Kurz Marc

60002 Color Manipulation in Images by Using a Modified HSV Algorithm

Samuel Kosolapov, Braude Academic College of Engineering, Israel

60016 On the Generation of External Representations of Semantically Rich Content for API-driven Document Delivery in the Headless Approach

Hans-Werner Sehring, Tallence AG, Hamburg, Germany

30008 Scalable Detection of chatGPT-generated text

Anders Fongen, Norwegian Defence University College, Norway

70009 Patterns for Quantum Software Development

Fabian Bühler, Institute of Architecture of Application Systems, University of Stuttgart, Germany

Session 15 [EASCI/ADAPTIVE]

Session Chair: Christoph Knieke

Introduction

Christoph Knieke, TU-Clausthal, Germany

58001 Tailored Digital Twins for LCA & LCM - Stakeholder centered Digital Twin Framework Design for Product Lifecycle Managements and Assessment

Dominique Briechle, University of Technology Clausthal, Germany

58002 Emergent Software Service Platform and its Application in a Smart Mobility Setting

Nils Wilken, University of Mannheim, Germany

58003 Towards Transforming OpenAPI Specified Web Services into PDDL Actions for Automatic Web Service Composition

Christian Schindler, Technische Universität Clausthal, Germany

Open discussion and closing remarks

Moderator: Christoph Knieke

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