On site Activities (very preliminary) Program

Digital Transformation Research Society

Conference Hotel
Conference Venue Location

On site Program

November 1-5, 2026
Mercure Lisboa
Av Jose Malhoa 23, 1099-051 Lisboa, Portugal

Updated as of Nov 1, 2026

The program will be continuously updated.

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

Sunday, Nov 1

16:00	**Registration starts** The registration desk is in front of the conference rooms. It is open for the duration of the conference.
17:30 - 18:30	**Coffee Break**
19:00 - >>	**Late Getting Together** **"All Saints' Day"**

Monday, Nov 2

09:00 - 10:00	**Keynote Speech** **Theme:** On the Integration of Informal Methods into Model-Driven Software Engineering **Speaker** Prof. Dr. Hans-Werner Shering, NORDAKADEMIE Hochschule der Wirtschaft, Hamburg, Germany **Chair** Shintaro Mori
10:00 - 10:15	**Coffee Break**
10:15 - 11:45	**Session 1**
11:45 - 12:00	**Coffee**
12:00 - 13:00	**Keynote Speech** **Theme:** Overview of AgriICWSN Project: Information-Centric Wireless Sensor Network for Smart Agriculture **Speaker** Prof. Dr. Shintaro Mori, Fukuoka University, Japan **Chair** Hans-Werner Shering
13:00 - 14:15	Lunch on your own
14:15 - 16:00	**Session 2**
16:00 - 16:15	**Coffee break**

16:15 - 17:30	**Open Discussion I** **Theme:** Decision-making and AI-Agentic Guardrails in Critical Services **Moderators** Prof. Dr. Thomas Zöller, IU International University of Applied Sciences, Germany Dr. Carlos Henrique Duarte, BNDES, Brazil Prof. Dr. Lasse Berntzen, University of South-Eastern Norway, Norway
17:45 - 18:45	**Welcome Cocktail**

Tuesday, Nov 3

09:00 - 10:00	**Keynote Speech** **Theme:** Preference-Centric Combinatorial Optimization for Multi-Criteria Decision Making **Speaker** Prof. Dr. Malek Mouhoub, University of Regina, Canada **Chair** Thomas Zöller
10:00 - 10:15	**Coffee Break**
10:15 - 11:45	**Session 3**
11:45 - 12:00	**Coffee**
12:00 - 13:00	**Keynote Speech** **Theme:** Beyond the Point Estimate: Tabular Foundation Models and Provable Guarantees for Mission-Critical AI **Speaker** Prof. Dr. Thomas Zöller, IU International University of Applied Sciences, Germany **Chair** Malek Mouhoub
13:00 - 14:30	Lunch on your own
14:30 - 16:00	**Session 4**
16:00 - 16:15	**Coffee**
16:15 - 17:15	**Keynote Speech** **Theme:** Driving Analyses for Electric Cars: From being Connected to Automated Driving, Focusing on the Challenges of Range, Comfort and Efficiency **Speaker** Prof. Dr. Oliver Michler, Dresden University of Technology, Dresden (TUD), Germany **Chair** Arwen Herwig
17:15 - 17:30	**Coffee Break**
17:30 - 18:30	**Open Discussion II** **Theme:** Progress in Robotics and Digital Services **Moderators** Prof. Dr. Malek Mouhoub, University of Regina, Canada Prof. Dr. Oliver Michler, Dresden University of Technology, Dresden (TUD), Germany

Wednesday, Nov 4

09:00 - 10:00	**Keynote Speech** **Theme:** Intelligent but Vulnerable - The Paradox of Digital Transformation

	Speaker Prof. Dr. Lasse Berntzen, University of South-Eastern Norway, Norway **Chair** Hans-Werner Shering
10:00 - 10:15	**Coffee Break**
10:15 - 11:45	**Session 5**
11:45 - 12:00	**Coffee**
12:00 - 13:00	**Keynote Speech** **Theme:** Artificial Intelligence in Industry: Real-world Applications that are Already Transforming Production Processes **Speaker** Prof. Dr. Rui Pinto, University of Porto, Portugal **Chair** Lasse Berntzen
13:00 - 14:30	Lunch on your own
14:30 - 16:00	**Session 6**
16:00 - 16:15	**Coffee break**
16:15 - 18:15	**Session 7**
18:15 - 18:30	**Coffee**
18:30 - 19:30	**Tutorial Lecture** **Theme:** Model-based Digital Signal Processing Platforms with AI Integration **Lecturer** Dipl. Eng. Arwen Mannaert, NSX bv, Belgium **Chair** DTR Society Logistics
19:30 - 23:30	**DTR Society Social Dinner** **Mercure Hotel**

Thursday, Nov 5

09:00 - 10:00	**Open Discussion III** **Theme:** Information-centric Software and Network Systems **Moderators** Prof. Dr. Shintaro Mori, Fukuoka University, Japan Prof. Dr. Hans-Werner Shering, NORDAKADEMIE Hochschule der Wirtschaft, Hamburg, Germany
10:00 - 10:15	**Coffee Break**
10:15 - 10:30	**Closing / Farewell Coffee**
10:30 - 12:00	**Board meeting for 2027 Series** Barcelona in November 2027 November 14 - 18, 2027

Recommended tourist objectives to be visited on your own:

Sintra (~30 km from Lisbon)
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

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REGULAR SESSIONS

Session 1 [DIGITAS]
Session Chair: Carlos Henrique Cabral Duarte

10012 Digital Decision Support for Sustainable and Precise Winter Road Maintenance
Kornelia Schuba, Fraunhofer IOSB-INA, Germany

10025 Responsible AI-Assisted Auditing for NIS2 Compliance Using Retrieval-Augmented Generation
Prof. Dr. Lasse Berntzen, University of South-Eastern Norway, Norway

[LIVE] 10023 Governing Urban Transformation: Local Development and International Cooperation in the Central Riyadh Redevelopment and Regeneration Program
Khalid Alshurayhi, UPV, Spain

Session 2 [AISED]
Session Chair: Kornelia Schuba

30012 The Role of Expert Opinions and Peer Review in Engineering Next-Generation AI-Enabled Systems
Carlos Henrique Cabral Duarte, Brazilian Development Bank - Industry Division, Brazil

- 30024 Using Generically Pretrained Transformers for Early Phase Software Engineering Tasks
Hans-Werner Sehring, NORDAKADEMIE, Germany

30007 Constraining LLMs with Modular Architectures: An NST Approach to AI Code Generation
Arwen Mannaert, NSX bv, Belgium

Session 3 [AINOW I]
Session Chair: Thomas Zöller

20011 Abnormal Scenario Diagnosis Using Proactive Alarm Prediction in Small Modular Reactors
Eon Sang Jeon, Chosun University, Republic of Korea

20013 Deployment-State-Aware Cost-Sensitive Threshold Adaptation for Fraud Detection
Vikrant Dey, Mastercard, India

20016 Conservative Estimation of Restoration-Procedure Onset from Predicted Safety- Function Trajectories with Conformal Uncertainty
Jin Seong Kim, Chosun University, Republic of Korea

Session 4 [AINOW II]
Session Chair: Vikrant Dey

20023 Explainable Event Diagnosis in Nuclear Power Plants Using TreeSHAP and Counterfactual Decision-Boundary Analysis
Young Hun Kim, Chosun University, Republic of Korea

20005 The Signal in the Noise: Semantic Entity Resolution for Cyber Threat Intelligence with Relational Context
Thomas Zöller, IU International University of Applied Sciences, Germany

20026 AI-Based Prediction of Containment State Variable Behavior during Severe Accidents
Se Heon Lee, Chosun University, Republic of Korea

Session 5 [CMRMV II, AISED, AIHMA] Wed 10:15am (Lisbon) [LIVE]
Timezone converter: ***https://www.worldtimebuddy.com***
Session Chair: DTR Society Logistics

50005 Development of a Neurodiversity-Informed Artificial Intelligence-Supported Social Skills Training System for Children with Attention-Deficit/Hyperactivity Disorder and Autism Spectrum Disorder
Hirokazu Osada, Toyo University, Japan

50016 Enhancing Cognitive Performance in Older Adults: The Impact of AI-Enabled Cognitive Training Games with Neurofeedback
Kin-Hon Ho, Hong Kong Shue Yan University, Hong Kong SAR, China

60018 Geometry-Driven Toolpath Post-Processing for Thin-Walled Multi-Axis Non-Planar 3D Printing
Tadeáš Vojtko, Slovak University of Technology in Bratislava, FME, Slovakia

50012 Stress and Risk of Burnout Among Firefighters - Proposition Review and Training Approach
Valérie Barbier, Firefighters Brussels, Belgium

Session 6 [AISED, CMRMV] Wed 2:30pm (Lisbon) [LIVE]
Timezone converter: ***https://www.worldtimebuddy.com***
Session Chair: DTR Society Logistics

60022 Parametric Path Generation for Robotic 3D Printing of Supportless Thin-Walled Structures
Tadeáš Vojtko, Slovak University of Technology in Bratislava, FME, Slovakia

60030 Feasibility-Aware Graph Learning for Supply Timing Disturbances in Cyber-Physical Production Systems
Paolo Catti, University of Patras - Laboratory for Manufacturing Systems & Automation, Greece

30019 Requirements as Context: An Industrial Case Study of Requirement Representation and Orchestration Strategies in LLM-Assisted Software Development
Venkatraman Ramnath, Mastercard, USA

Session 7 [CMRMV I, ANFC]
Session Chair: Hans-Werner Sehring

60015 CDEF: Cross-Depth Evidence Fusion for Training-Free Few-Shot Anomaly Detection
Hyunyup Kwak, Sungkyunkwan University, Republic of Korea

60010 A Preference-Aware Multi-Objective Framework for Real-Time Robot Path Planning in Dynamic Environments
Malek Mouhoub, University of Regina, Canada

40005 Towards AgriICWSN: Information-Centric Wireless Sensor Network Platform Development for Smart Agriculture
Shintaro Mori, Fukuoka University, Japan

[LIVE] 60027 Continual Contextualisation of Large Language Models for Assistance in Extended Reality Training
Luca Fabbro, APTIV Connection System Service Italia S.p.A., Italy

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