

Eurocast 2026

February 23-27

***Museo Elder de la Ciencia y la Tecnología
Las Palmas de Gran Canaria
Canary Islands, Spain***



**20th International Conference on Computer
Aided Systems Theory**

Final Program

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Conference Chairs and Program Committee Publication Chairs

Founder and Honorary: *Franz Pichler (Linz)*

General: *Roberto Moreno-Díaz (Las Palmas de G.C)*

Conference: *A. Quesada-Arencibia (Las Palmas de G.C),*

Program: *M. Affenzeller (Hagenberg)*

Logistics: *G. de Blasio (Las Palmas de G.C)*

Workshops and Chairpersons

1. Systems Theory, Applications, Pioneers, and Landmarks

Chairpersons: F. Pichler (Linz AT), R. Moreno-Díaz (Las Palmas ES)

2. Theory and Applications of Metaheuristic Algorithms

Chairpersons: M. Affenzeller, S. Wagner (Hagenberg AT), G. Raidl (Vienna AT)

3. Mechatronic Product Development

Chairpersons: M. Jungwirth, T. Schlechter (Wels AT)

4. Model-Based System Design, Verification and Simulation

Chairpersons: J. Nikodem (Wroclaw PL), A. Ito (Chuo JP), M. Nikodem (Wroclaw PL)

5. Applications of Signal Processing Technology

Chairpersons: Zagar (MULEoben AT), Lunglmayr (Linz AT), Thurner (MULEoben AT)

6. Applied Data Science and Engineering for Intelligent Transportation Systems and Smart Mobility

Chairpersons: J. Sanchez-Medina (Las Palmas ES), J. del Ser (Bilbao ES), H. B. Celikoglu (Istanbul TR), R. Rossetti (Lisboa PT), L. Acosta (La Laguna ES)

7. Computer and Systems Based Methods and Electronic Tools in Clinical and Academic Medicine

Chairpersons: J. Rozenblit (Tucson AZ US), M. Maynar (Las Palmas ES), R. Klempous (Wroclaw PL), L. Kovacs (Budapest HU)

8. Systems in Industrial Robotics, Automation and IoT

Chairpersons: D. Jacob (Kempten D), R. Stetter (Munich D), E. Markl (Vienna AT)

9. Systems Thinking and Systems Simulation: An Interdisciplinary Approach to Modeling Complexity

Chairpersons: M. Schwaninger (St. Gallen CH), S. Groesser (Bern CH)

10. Data Science in Medical and Bio-Informatics

Chairpersons: M. Giretzlehner (RISC Software, Hagenberg AT), M. Geiß (Software Competence Center Hagenberg AT), S. Winkler (FH OÖ, Hagenberg AT)

11. Modeling, Simulation, and Optimization in Production and Logistics

Chairpersons: S. Wagner (Hagenberg AT), F. Longo, A. Padovano (Calabria I)

12. "Green AI" and SW-Tools for Sustainable Energy and Materials Consumption

Chairpersons: D. Jacob (Kempten D), R. Stetter (Munich D), E. Markl (Vienna AT)

13. Stochastic Models, Statistical Methods, and Applied Systems Simulations

Chairpersons: E. Pirozzi (Napoli IT), V. Giorno, G. Albano, B. Martinucci (Salerno IT)

14. Impact of AI and Quantum Technologies on Cybersecurity

Chairpersons: P. Caballero (La Laguna ES), P. Martín-Fernández (New York US), E. Sáenz de Cabezón (La Rioja ES)

15. Indoor Positioning and Localization

Chairpersons: J. Torres-Sospedra (Valencia ES), J. L. Gómez-Tornero (Cartagena ES), M. Nikodem (Wroclaw PL), G. De Blasio (Las Palmas ES), A. Quesada-Arencibia (Las Palmas ES)

16. Blackbox Systems for Generative AI - Explainability and Applications

Chairpersons: A. Stöckl (Hagenberg AT)

18. Cybermedical Systems as Human-Centered AI and Digital Medicine applications

Chairpersons: L. Kovacs (Budapest HU), M. Kulbacki (Wroclaw PL), M. Kozlovsky (Budapest HU), R. Klempous (Wroclaw PL)

19. Innovative Teaching Approaches in Computer Science and Automation: Methods, Tools, and Experiences

Chairpersons: D. Jacob (Kempten D), R. Stetter (Munich D), E. Markl (Vienna AT)

Local Organizing Committee

Alonso-García, Mayte
Espino-Sánchez, Alexis
García-Rodríguez, Carmelo Rubén
González Herrera, Ángel
Juárez Ferrera, María Mercedes

Navarro Alejo, Iru Nervej
Quesada Acosta, Juan José
Quesada Ojeda, Mariam María
Rodríguez-Rodríguez, José Carlos
Sánchez Melián, Pablo

Program Committee

Acosta, L. (Univ. of La Laguna, ES)
Affenzeller, M. (Univ. of Applied Sciences, Upper Austria, AT)
Albano, G. (Univ. di Salerno, I)
Bożejko, W. (Wrocław Univ. of Science and Technology, PL)
Caballero, P. (Univ. of La Laguna, ES)
Celikoglu, H. B. (Istanbul Technical University, TR)
de Blasio, G. (Univ. of Las Palmas de G.C., ES)
del Ser, J. (Univ. of Bilbao, ES)
Geiß, M. (Software Competence Center Hagenberg, AT)
Giorno, V. (Univ. di Salerno, IT)
Giretzlehner, M. (RISC Soft, Hagenberg, AT)
Gómez-Tornero, J. L. (Cartagena, ES)
Groesser, S. (Univ. of Applied Sciences, Bern, CH)
Ito, A. (Univ. of Chuo, JP)
Jacob, D. (Univ. of Applied Sciences, Kempten, DE)
Jungwirth, M. (Univ. of Applied Sciences, Wels, AT)
Klempous, R. (Wrocław Univ. of Science and Technology, PL)
Kovacs, L. (Univ. of Obuda, Budapest, HU)
Kozlovsky, M. (Budapest, HU)
Kulbacki, M. (Wroclaw, PL)
Longo, F. (Univ. of Calabria, IT)
Lunglmayr, M. (JKU, Linz, AT)
Markl, E. (Univ. of Applied Sciences, Vienna, AT)
Martín-Fernández, P. (New York, US)
Martinucci, B. (Univ. di Salerno, I)
Maynar, M. (Univ. of Las Palmas de Gran Canaria, ES)
Moreno-Díaz, R. (Univ. of Las Palmas de Gran Canaria, ES)
Nikodem, M. (Wrocław Univ. of Science and Technology, PL)
Nikodem, J. (Wrocław Univ. of Science and Technology, PL)
Padovano, A. (Univ. of Calabria, IT)
Pichler, F. (JKU, Linz, AT)
Pirozzi, E. (Campania University, IT)
Quesada-Arencibia, A. (Univ. of Las Palmas de Gran Canaria, ES)
Raidl, G. (Technical Univ. Vienna, AT)
Rossetti, R. (Univ. of Lisboa, PT)

Rozenblit, J. (Univ. of Arizona, AZ US)
Sáenz de Cabezón, E. (La Rioja, ES)
Sanchez-Medina, J. (Univ. of Las Palmas de Gran Canaria, ES)
Schlechter, T. (Univ. of Applied Sciences, Wels, AT)
Schwaninger, M. (Univ. of St Gallen, CH)
Stetter, R. (Munich, DE)
Stöckl, A. (Hagenberg, AT)
Thurner, T. (Montanuniversity Leoben, AT)
Torres-Sospedra, J. (Valencia, ES)
Wagner, S. (Univ. of Applied Sciences, Upper Austria, AT)
Winkler, S. (FH OÖ, Hagenberg, AT)
Zagar, B. (Montanuniversity Leoben, AT)

Codes of Sessions

1. Systems Theory, Applications, Pioneers, and Landmarks
2. Theory and Applications of Metaheuristic Algorithms
3. Mechatronic Product Development
4. Model-Based System Design, Verification and Simulation
5. Applications of Signal Processing Technology
6. Applied Data Science and Engineering for Intelligent Transportation Systems and Smart Mobility
7. Computer and Systems Based Methods and Electronic Tools in Clinical and Academic Medicine
8. Systems in Industrial Robotics, Automation and IoT
9. Systems Thinking: Applications in Technology, Science, and Management
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11. Modeling, Simulation, and Optimization in Production and Logistics
12. "Green AI" and SW-Tools for Sustainable Energy and Materials Consumption
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14. Impact of AI and Quantum Technologies on Cybersecurity
15. Indoor Positioning and Localization
16. Blackbox Systems for Generative AI - Explainability and Applications
18. Cybermedical Systems as Human-Centered AI and Digital Medicine Applications
19. Innovative Teaching Approaches in Computer Science and Automation: Methods, Tools, and Experiences

Sessions Chairpersons Table

Monday, February 23			
Room A	Room B	Room C	Room D
2.1 to 2.10 Affenzeller, M. Wagner, S.	14.1 to 14.10 Caballero-Gil, P.	16.1 to 16.10 Stöckl, A.	4.1 to 4.11 Nikodem, J. Ito, A. Nikodem, M.

Tuesday, February 24			
Room A	Room B	Room C	Room D
2.11 to 2.17 Affenzeller, M. Wagner, S.	13.1 to 13.7 Pirozzi, E. Giorno, V. Albano, G. Martinucci, B.	10.1 to 10.12 Giretzlehner, M. Winkler, S.	8.1 to 8.14 Jacob, D. Stetter, R. Markl, E.
7.1 to 7.3 Klempous, R.	9.1 to 9.6 Schwaninger, M.		

Wednesday, February 25			
Room A	Room B	Room C	Room D
3.1 to 3.9 Jungwirth, M. Schlechter, T.		11.1 to 11.7 Wagner, S.	19.1 to 19.8 Jacob, D. Stetter, R. Markl, E.
	18.1 to 18.7 Kulbacki, M. Kozlovsky, M. Klempous, R.	15.1 to 15.4 Torres-Sospedra, J. Gómez-Tornero J.L.	

Thursday, February 26			
Room A	Room B	Room C	Room D
5.1 to 5.13 Zagar, B. Lunglmayr, M. Thurner, T.	12.1 to 12.11 Jacob, D. Stetter, R. Markl, E.	1.1 to 1.5 Miró-Julià, M.	6.1 to 6.14 Sánchez-Medina, J.

Plenary Sessions (Room A)

Monday, February 23

10:00–11:00 **Culture and understanding –Inbound and ICT–**

Prof. Atsushi Ito
Chuo University, Japan

Tuesday, February 24

9:00–10:00 **Providing positioning indoors: Past, Present and Future**

Prof. Joaquín Torres-Sospedra
University of Valencia, Spain

Thursday, February 26

9:00–10:00 **Quantum Computing Applications: from Random Number Generation to Healthcare Diagnostics and Discrete Optimization**

Prof. Andrzej Gnatowski
Wrocław University of Science and Technology, Poland

Social Program

Monday, February 23 ([Elder Museum](#))

19:00

Elder Museum Invitation

19:00 - 3D Screening

[Blue Whales: The Return of the Giants \(Blue Whales 3D\)](#)

Approximate duration: 25 minutes

19:30 - Workshop/Demonstration: Fire

Fire: Science, Energy, and Transformation

Approximate duration: 20 minutes

Capacity: 40 people

19:30 - Planetarium

[The Seasons](#)

Approximate duration: 25–30 minutes

Capacity: 40 people

Notes: Activities will be in English, and depending on the number of attendees, several sessions will be held.

Tuesday, February 24 ([Elder Museum](#))

19:00

Elder Museum Reception

Live music performance.

Reception offered by the Elder Museum director.

Wednesday, February 25 ([La Marinera](#))

19:00

Conference Dinner

Friday, February 27 (Gáldar)

- 11:00 – 15:00 **Closing Session and Toast to Eurocast in Gáldar**
- 12:00 – 14:00 Guided walking visit to Gáldar (market, historic centre, Museum of Sacred Art,...)
- 14:00 – 15:00 Reception at Casa Capitán Quesada

EUROCAST 2026 Final Program

REGISTRATION: Sunday February 22, from 17:00 to 19:00 and all Conference days at office hours.

	Monday February 23					Tuesday February 24				Wednesday February 25				Thursday February 26				Friday February 27	
9:00	Tribute to Prof. Roberto Moreno-Díaz and Opening Session					Plenary Presentation								Plenary Presentation				11:00 – 15:00 Closing Session at Professor Moreno’s hometown - Gáldar	
9:30																			
10:00	Plenary Presentation					2.11	13.1	10.1	8.1	Smart Green Island Makeathon 2026 Presentation				5.1	12.11	1.1	6.1		
10:30						2.12	13.2	10.2	8.3					5.2	12.2	1.2	6.2		
11:00	Coffee Break								Coffee Break										
11:30	2.1	14.1	16.1	4.1	2.13	13.3	10.3	8.7	5.3					12.3	1.3	6.3			
12:00	2.2	14.2	16.2	4.2	2.14	13.4	10.4	8.4	3.1		11.1	19.6	5.4	12.10	1.4	6.4			
12:30	2.3	14.3	16.3	4.3	2.15	13.5	10.5	8.2	3.2		11.2	19.4	5.5	12.8	1.5	6.5			
13:00	2.4	14.4	16.4	4.4	2.16	13.6	10.6	8.11	3.3		11.3	19.2	5.6	12.4		6.6			
13:30	2.5	14.5	16.5	4.5	2.17	13.7	10.7	8.12	3.4		11.4	19.3	5.7	12.9		6.7			
14:00		14.6		4.6				8.10			11.5	19.1				6.8			
16:00	2.6	14.7	16.6	4.7	7.1	9.1	10.8	8.6	3.5	18.1	11.6	19.5	5.8	12.6		6.9			
16:30	2.7	14.8	16.7	4.8	7.2	9.2	10.9	8.9	3.6	18.2	11.7	19.7	5.9	12.5		6.10			
17:00	2.8	14.9	16.8	4.9	7.3	9.3	10.10	8.8	3.7	18.3	15.1	19.8	5.10	12.1		6.11			
17:30	2.9	14.10	16.9	4.10		9.4	10.11	8.13	3.8	18.4	15.2		5.11	12.7		6.12			
18:00	2.10		16.10	4.11		9.5	10.12	8.5	3.9	18.5	15.3		5.12			6.13			
18:30						9.6		8.14		18.7	15.4					6.14			
19:00	Elder Museum Activities				Elder Museum Invitation				Conference Dinner										

First Column (left to right) for each day is in Room A, second in Room B, third in Room C and fourth in Room D

Workshops

1. Systems Theory, Applications, Pioneers, and Landmarks 2. Theory and Applications of Metaheuristic Algorithms 3. Mechatronic Product Development 4. Model-Based System Design, Verification and Simulation 5. Applications of Signal Processing Technology 6. Applied Data Science and Engineering for Intelligent Transportation Systems and Smart Mobility 7. Computer and Systems Based Methods and Electronic Tools in Clinical and Academic Medicine	8. Systems in Industrial Robotics, Automation and IoT 9. Systems Thinking and Systems Simulation: An Interdisciplinary Approach to Modeling Complexity 10. Data Science in Medical and Bio-Informatics 11. Modeling, Simulation, and Optimization in Production and Logistics 12. "Green AI" and SW-Tools for Sustainable Energy and Materials Consumption 13. Stochastic Models, Statistical Methods, and Applied Systems Simulations	14. Impact of AI and Quantum Technologies on Cybersecurity 15. Indoor Positioning and Localization 16. Blackbox Systems for Generative AI - Explainability and Applications 18. Cybermedical Systems as Human-Centered AI and Digital Medicine Applications 19. Innovative Teaching Approaches in Computer Science and Automation: Methods, Tools, and Experiences
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Systems Theory, Applications, Pioneers, and Landmarks

- 1.1 From National Records to Local Insights: A Data-Driven Framework for Time-Series
M. Miró-Julià, R. Alberich, N. Alirio Cruz, A. Tobar Nicolau
- 1.2 Coordination and Communication Foundations for Agentic AI
U.M. Borghoff, P. Bottoni, R. Pareschi
- 1.3 Quaternionic Observers for Multi-Channel Systems: From Smart Grids to Medical Imaging.
M. Sebek
- 1.4 Analysis of D-Wave Quantum Annealers on the Example of Multi-Depot VRP for Public Transport
M. Jaroszczuk, M. Uchroński
- 1.5 The Moon-Hopkins Billing-Machine
B. Kerschbaumer

Theory and Applications of Metaheuristic Algorithms

- 2.1 Evaluating the Robustness of AI Image Detectors for Diffusion-Generated Images via Evolutionary Optimization of Prompt Embeddings
M. Salvenmoser, M. Affenzeller
- 2.2 Domain-Informed Machine Learning by Hybridizing Symbolic Regression and Large Language Models
D. Nguyen Duy, F. Bachinger, M. Affenzeller
- 2.3 Physics-Informed Knowledge Validation via LLM-Assisted Shape-Constrained Symbolic Regression
F. Bachinger, S. Habringer, C. Staudinger, D. Nguyen Duy, M. Affenzeller

- 2.4 Meta-Modeling Power Inverters for Fast Evaluation of Energy Flow Controllers on Resource Limited Devices
C. Dalpiaz, K. Preiner, P. Kastner, M. Kargl, F. Eibensteiner, J. Langer
- 2.5 Visualizing Populations in Multi-Objective Optimization
B. Werth, M. Affenzeller
- 2.6 Shapes un-Constrained: Tracking Phenotypical Behavior in Evolutionary Symbolic Regression
C. Haider, F. Bachinger, B. Werth, M. Affenzeller
- 2.7 Improving Genetic Programming-based Symbolic Regression with Exhaustive Methods
L. Kammerer, D.J. Bartlett, H. Desmond, P.G. Ferreira, G. Kronberger, S. Winkler
- 2.8 A Learning Large Neighborhood Search for the Electric Autonomous Dial-A-Ride Problem
L. Tomandl, M. Bresich, G.R. Raidl, S. Limmer
- 2.9 Transfer Learning using Template Seeding within Structure-Template Symbolic Regression
C. Haider, J. Zenisek, P. Fleck, M. Fruhmann, C. Hambrock, M. Affenzeller
- 2.10 Optimizing Dynamic Dispatching in Elevator Control with a Destination Registration System
M. Bresich, G.R. Raidl, S. Limmer
- 2.11 Timing of Queries in Interactive Job Scheduling
J. Varga, H. Korinek, G.R. Raidl, T. Rodemann
- 2.12 Comparative Analysis of GRASP Variants for CVRPTW: A Case Study in Urban Organic Waste Collection
M. Maarouf Bassaidi, J.A. Brito Santana, J.A. Moreno Pérez, H. Alonso Afonso
- 2.13 Superstrings of Uniform-Cardinality Set Systems via the Generalized Traveling Salesperson Problem
A. Weissenfels, E. Iurlano, G.R. Raidl

- 2.14 Function Libraries for Symbolic Regression with Genetic Programming
P. Fleck, C. Haider, M. Fruhmann, J. Zenisek
- 2.15 Accelerators for Metaheuristics
C. Smutnicki, Z. Banaszak, G. Bocewicz
- 2.16 On Solving the Multiple Variable Gapped Longest Common Subsequence Problem
M. Djukanović, N. Balaban, C. Blum, A. Kartelj, S. Dzeroski, Z. Zebec
- 2.17 Improving Sign Language Recognition with Synthetic Oversampling
M. Quesada-Ojeda, R. Holmes, A. Ventresque

Mechatronic Product Development

- 3.1 Electric Motor Cooling System Evaluation Methodology
M. Golombek, T. Schlechter
- 3.2 Back Projection: Exterior Lighting Application for Automotive Industry
Y. Balaji, M. Dobrača, H. Haraz, T. Schlechter
- 3.3 Deep Learning Based Object Recognition Approach for Motorbike
Dashboard Software Validation
S. Hussein, T. Schlechter
- 3.4 Digital Twin-Driven Predictive Maintenance for Intelligent
Mechatronic Product Development
D. Kirchsteiger, M. Jungwirth
- 3.5 Developing a Structured Database Using MariaDB to Store and
Manage Real-Time Process Data Delivered by an MQTT Broker
J. Okochi, T. Schlechter
- 3.6 Development of an Intel RealSense-based ArUco-Marker System for
Angle Measurements on a Ski Simulator
C. Hofer, F. Hammer, V. Putz
- 3.7 Sustainability Potential of Emerging Digital Technologies in Modern
Regional Waste Management
S. Merschak, P. Hehenberger
- 3.8 Development and Validation of a Rotary Impact Drilling System for an
Ultra-Lightweight UAV-Deployed Tree Planting Robot Enabling
Autonomous Forest Restoration
J.L. Voigt, G. Happich, T. Weiser
- 3.9 Regulation-Based Innovation and its Recent Challenges in the
Automotive Sector
D. Gingo, S. Wundsam, V. Pradeep, A. Strehar, T. Schlechter

Model-Based System Design, Verification and Simulation

- 4.1 The CODES Framework: A Structured Prompting Methodology to Mitigate Cognitive Bias in AI-Assisted Novice Programming
J. Luo, A. Ito, A. Otsuka, A. Sasaki
- 4.2 Support Tool for Generative AI-Based Coding
A. Otsuka, A. Ito
- 4.3 Classical and Neural Network Modeling of a Heating System in a Smart Building
A. Stachno, A. Czemplik
- 4.4 Using Recurrent Neural Networks for Prediction in Dynamic Systems with Support of Artificial Intelligence language models
I. Karcz-Duleba, A. Czemplik
- 4.5 Modeling of Thermal Energy Storage Tanks
A. Czemplik
- 4.6 Behavior Analysis for Grazing of Cows
B. Bayaraa, K. Nogami, N. Tsuruta, M. Hasegawa, R. Fukumori, Y. Nagao, A. Otsuka, M. Onda, Y. Hiramatsu, T. Nakano, A. Ito
- 4.7 Zonal Indoor User Localization in a Room based on Air Quality Measurements using Artificial Neural Networks
A. Stachno
- 4.8 Neural Analysis of Thermal Images as the Basis of an Intelligent Presence Sensor in Building Automation
A. Stachno, M. Suproniuk, N. Leleniewski
- 4.9 Optimal Inventory Control Using the Monte Carlo Method
M. Olesiak
- 4.10 Media Representation of Artificial Intelligence and datafication in Smart City campaigns: A case study of Amsterdam and Singapore
N. Starzyńska

- 4.11 Towards Human-Technology Symbiosis in Audience Engagement: A Web- and IoT-Based Continuous Response Digital Interface for Real-Time Musical Tension in Live Concerts
M. Kulbacki, A. Porębski, J. Segen, Z. Chaczko, A. Ito, W. Bożejko, A. Gnatowski, R. Klempous, M. Kulbacki

Applications of Signal Processing Technology

- 5.1 Time-of-Flight based 3D Imaging for Endoscopic Medical Applications
D. Doujak, T. Thurner
- 5.2 Towards Efficient Event-Based Signal Processing Using FIR Filters
A. Werzi, B. Moser, M. Lunglmayr
- 5.3 Edge Processing of IMU Data for IoT PAwR Communication
T. Kammerhofer, A.M. Stein, T. Thurner
- 5.4 Envelope Spectrum Analysis of Phonocardiogram Data
D. Neussl, T. Kammerhofer, T. Thurner
- 5.5 Strain Sensor System for Integration in Basalt-Reinforced Concrete Segments
L. Heindler, A. Evangelatos, T. Thurner
- 5.6 A Projection-Based Hybrid Model for Nonlinear Acoustic Echo Cancellation
A. Nezamdoust, M. Scarpiniti, M. Huemer, D. Comminiello
- 5.7 Complex-Valued Spline Adaptive Hammerstein Filter
B. Plaimer, M. Wagner, O. Lang, M. Huemer
- 5.8 Time-Domain Estimation of Frequency-Dependent IQ Imbalance for 5G NR-based JCAS Systems
A. Meingassner-Lang, M. Tockner, O. Lang, B. Plaimer, M. Wagner, M. Huemer
- 5.9 An Approximated Lower Test Signal Generator Linearity Bound of the AST Linearity Test
M. Wagner, O. Lang, M. Huemer

- 5.10 An Enhanced mm-Wave Tomographic Imaging Platform for Low-Permittivity Materials
M. Koller, A. Och, M. Wagner, A. Windner, O. Lang, S. Schuster, S. Scheiblhofer, P.A. Hölzl, S. Matzinger, J. Reisinger, M. Huemer
- 5.11 3D Point Cloud Generation Using mmWave Radar Sensors
E. Wollitzer, M. Zeinzinger, M. Kargl, D. Hrubý, F. Eibensteiner, M. Černý, J. Langer
- 5.12 Cross-Domain Time-Series Analytics for Industrial Monitoring
E.D. Ocansey, R.M. Holom, H. Hinterbichler, M. Araz, A. Krenn, V. Dino

Applied Data Science and Engineering for Intelligent Transportation Systems and Smart Mobility

- 6.1 Vision-Driven Autonomous Traffic Signal Control through Deep Reinforcement Learning
D. Caballero-García-Alcaide, D. Yagüe, J.M. Armingol, M.P. Sesmero, A. Sanchis
- 6.2 Data Extraction and Processing for DIY Drone Forensics
A. Attenberger, M. Schmidt, A. Hoyer, L. Hardi
- 6.3 Investigating Greater Manchester Tram Service Optimization Using Multi-Layer Transport Library Simulation Approach
K. Han, L.A. Christie
- 6.4 Bringing People and Luggage to the Airport
B. Hu, P. Stern, A. Schaffenberger, T. Hirsch, J. Berndorfer, A. Fallast, S. Lesak
- 6.5 Evaluating and Improving Data Management in Urban Data Platform Development Research Projects
I. Marco-Pérez, F. Larrinaga, A. Pérez, M. Illarramendi, B. Pérez, A.L. Rubio

- 6.6 CLG-Smooth: Temporal Regularization for Smoother and Safer VLM-RL Driving Policies
G. Cordova, H. Iqbal, A. Al-Kaff, B. López Boada, F. García
- 6.7 Data-Driven Human-AI Co-Simulation and Digital Twin Integration for Smart Urban Mobility
Y. Liu, A. Aghanouri, C. Olaverri-Monreal
- 6.8 Improving Highway Construction Site Safety with the Traffic Monitoring and Warning System
A. Maletzky, F. Oberhauser, R.M. Holom
- 6.9 Bridging the Planning-Execution Gap with a Construction Site Revision System
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