

Detailed Program of the Joint

27th EAAAI / EANN 2026

&

22nd AIAI 2026

Conferences

**Conference Center of CIHEAM MAI.Chania,
Crete, Greece**

**GPS coordinates of the Venue:
35.49491, 24.04972**

Note that all times are in Greece - EEST (Eastern European Summer Time) Zone

Thursday 16/7/2026

10:00 - 18:00 Registration

10:30-11:00 Welcome Session

[Hybrid Session, Room 1 – Welcome Session](#)

Addressed by: Prof. Eunika Mercier – Laurent, TC12, IFIP, France

Prof. Lazaros Iliadis, Democritus University of Thrace, Greece

Prof. Ilias Maglogiannis, University of Piraeus, Greece

11:00 - 12:00

Session 1, Keynote 1: "Modeling Interactions in Temporal Multiplex Networks"

[Hybrid Session, Room 1 – Keynote 1](#)

Chair: Prof. Ilias Maglogiannis

Keynote Speaker: Professor Zoran Obradovic

Laura H. Carnell Professor of Data Analytics, Data Analytics and Biomedical Informatics Center, Computer and Information Sciences Department, Statistics Department, Temple University

12:30-13:45

Session 2, AIAI: HBDA 1 (Human Behavior & Decision Analytics)

[Hybrid Session, Room 1](#)

Chair: Prof. Andreas Andreou

A Human Behavior-Driven Digital Twin for Student's Early Dropout and Degree Completion Compliance Prediction

Vouzis Eleftherios, Kalathas Dimitrios, Anyfantaki Lydia, Anyfantakis Jason, Menychtas Andreas, Tsanakas Panayiotis

A POMDP Formulation for Multi-Human-Multi-Robot Social Interaction: Challenges and Opportunities

Spitale Micol, Trovò Francesco

Cross-Domain Self-Supervised Representation Learning for Change-of-Direction Classification Using Wearable Sensors

Jaiswal Pranay, Kaushik Abhishek, Lawless Fiona, Malaquias Tiago, McCaffery Fergal

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Improving Social Media Popularity Prediction with Language Model Generated Network Features.

Power William, Obradovic Zoran

12:30-13:45

Session 3, AIAI: HCBI 1 (Health, Clinical & Biomedical Intelligence)

[Hybrid Session, Room 2](#)

Chair: Prof. Doina Logofatu

A Framework for LLM-Guided and ISO 5338-Aligned Data Engineering in Medical Device Adverse Event Reporting

Muaz Muhammad, Janjua Zaffar Haider, Loughran Roisin, St John Lynch Niamh

Efficient On-Device Small Language Models for Privacy-Preserving Pulmonary Rehabilitation

Remigio Lucas, Flora Sofia, Hipólito Nádia, Silva Alexandre, Cruz Joana, Silva Fernando, Miragaia Rolando, Ribeiro José

TwAIChain: A Blockchain–IPFS Architecture for Trustworthy Artificial Intelligence In Healthcare

Srivastava Mugdha, Kaushik Abhishek, Loughran Róisín, Caffery Fergal Mc

VoiceSense: A Multimodal AI Framework for Emotion-Aware Speech Rehabilitation

Anantapur Rohan, Addanki Sripriya, Etagi Rishi, Singh Ishmeet, Agarwal Pooja, Reddy Niveditha

12:30-13:45

Session 4, EAAAI (EANN): BNVI 1 (Biomedical, Neural & Visual Intelligence)

[Hybrid Session, Room 3](#)

Chair: Dr. Peter Kasák

Comparison of a Custom Artificial Intelligence Model with Classic Models in Alzheimer’s Disease Diagnosis

Tokarski Piotr, Łazaruk Karol, Czapla Krystian, Czarnecki Dawid, Dzieńkowski Mariusz

Federated Conformal Prediction with Valid Coverage Guarantees for Non-IID Distributed Clients

Upadhyay Amit Kumar, Dutta Vibekananda, Dharavath Ramesh

Neural Narratives: Thought-Driven Speech Synthesis Using EEG-fMRI Multimodal Fusion

Sequeira Viona , Mehta Vishva, Sriram Nilesh , Y S Soniya, Ladwani Vandana

Performance Analysis of AI Decision Models in Real-Time Interactive Systems

Łazaruk Karol, Tokarski Piotr, Plechawska-Wójcik Małgorzata, Dzieńkowski Mariusz

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12:30-13:45

Session 5, EAAAI (EANN): EREL 1 (Efficient, Robust & Explainable Learning)

[Remote Session, Room 4](#)

Chair: Assoc. Prof. Mylonas Phivos

A Hybrid Deep–Traditional Ensemble Framework for Tabular Classification with Dynamic Gating

Fazakis Nikos, Thivaivos Spiros, Kotsiantis Sotiris

Normalisation and Initialisation Strategies for Graph Neural Networks in Blockchain Anomaly Detection

Dang Duy, Nguyen Chien, Dev Kapil, Nijse Jeff

Tiny KANs: A Performance Benchmark of Kolmogorov-Arnold Networks on Microcontrollers

Motamarri Sai Sathvik, Hassan Mohammed, Golugula Shiva, Jain Shravan R, Arya Arti

12:30-13:45

Session 6, AIAI: HSEA (Health, Safety & Education AI)

[Remote Session, Room 5](#)

Chair: Assoc. Prof. Christos Makris

CamemBERT Based Architecture for Automated Essay Scoring in French Language Testing

Faye Raymond Maurice , Abdallah Wejden, Mouchnino Julien, Casanova Dominique

Contextual Misogyny Detection in Code-Mixed Hindi-English

Yadav Sargam, Kaushik Abhishek, McDaid Kevin

Demographic-aware fine-grained visual recognition of pediatric wrist pathologies

Ahmed Ammar, Imran Ali Shariq, Kastrati Zenun, Daudpota Sher Muhammad

GraphDiffMed: Knowledge-Informed Differential Attention with Pharmacological Graph Priors for Medication Recommendation

Saxena Krati, Shibata Tomohiro

14:45-16:00

Session 7, AIAI: EESI 1 (Environmental, Energy & Sustainability Intelligence)

[Hybrid Session, Room 1](#)

Chair: Asst. Prof. Tasoulis Sotiris

A Cost-Aware Evaluation of Duration Predictions for Weather-Induced Forced Power Outages

Petridis Christos, Obradovic Zoran, Baembitov Rashid, Kezunovic Mladen

A Survey on Data-Driven Models for Soil Moisture Regression and Classification

Tsimpidi Ilektra, Georgoulas George, Sumathy Vidya, Nikolakopoulos George

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Question-Type-Aware Methodology For Prompt Selection To Optimise Energy Usage

Khan Talhat, Kumar Vimal, Ryan Conor

Satellite-Informed Machine Learning for River Contamination Prediction: A Time-Aware LSTM Approach

Giannaropoulos Dionysis, Petridis Minas, Oikonomou Panagiotis, Kolomvatsos Kostas

14:45-16:00

Session 8, EAAAI (EANN): VPAU (Visual Perception & Action Understanding)

[Hybrid Session, Room 2](#)

Chair: Dr. Rolando Lúcio Germano Miragaia

A Robust Event-to-Spike Conversion Framework Preserving Temporal Dynamics for Spiking Neural Networks in Embodied Robotics

Sanaullah Sanaullah, Jungeblut Thorsten , Dmitrienko Alexandra , Byung-Kil Han, Park Dong Il

EgoShift: Domain-Adaptive Egocentric Action Anticipation with Human Feedback

Koutrintzes Dimitrios, Mitsou Alexandros, Spyrou Evaggelos

Facial Expression Recognition Using Multimodal Synthetic Datasets

Michou Georgia, Symeonidis Charalampos, Nikolaidis Nikos

Learning to merge superpixels

Lézoray Olivier

14:45-16:00

Session 9, AIAI: B5G-PINE 1 (5G/B5G for the Support of Verticals)

[Hybrid Session, Room 3](#)

Chair: Dr. Ioannis P. Chochliouros

Smart Cities Evolutionary Progress in the B5G/6G Era: The 6G-PATH European Paradigm

Chochliouros Ioannis, Spiliopoulou Anastasia, Lessi Christina, Cordeiro Luis, Paraskeva Marilena, Li Jing , Wedikkara Gedara Imesha, Sivarajah Uthayasankar, Weerakkody Vishanth

Bridging the Adoption Gap: A Techno-Economic and Strategic Commercialisation Framework for 6G Across European Verticals

Wedikkara Gedara Imesha, Weerakkody Vishanth, Li Jing, Sivarajah Uthayasankar , Chochliouros Ioannis, Cordeiro Luis

6G-PATH: Architecture Validation via Internal and Open-Call Trials

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Corici Andreea, Zope Hemant, Gupta Peenal, Hocquel-Hans Martin, Sengupta Banhirup, Ferreira Luis, Corici Marius, Roß Leon, Lourenço Mario, Ellenberger Moritz, Blaeser Andreas, Cordeiro Luis, Fernandes João, Rosa Luis, Lahmann Nils, Strube-Lahmann Sandra

A Methodology for the Technoeconomic assessment of ISAC-enabled Network Deployments
Mesogiti Ioanna, Theodoropoulou Elina, Setaki Foteini, Lyberopoulos George, Anastasopoulos Markos, Tzanakaki Anna, Gutiérrez Jesús, Castellanos German, Jorswieck Eduard, Diez Luis, Frasca Valerio, Nikaein Navid

14:45-16:00

Session 10, EAAAI (EANN): ESMS 1 (Environmental Sensing, Mobility & Sustainability AI)

[Remote Session, Room 4](#)

Chair: Asst. Prof. Alzamel Mai

A Survey on Optimization Methods for Traffic Signal Control

Alzamel Mai, Alanazi Amal

Energy Performance Regression Models Using Machine Learning Algorithms Based on Simulated Building Data

Psathas Anastasios Panagiotis, Botzoris Nikiforos, Papaleonidas Antonios, Iliadis Lazaros

Privacy-Preserving Collaborative Sensing in Distributed Wastewater Networks

Alba Garazi, Azpiroz Izar, Maiza Mikel, Bizkarguenaga Aitor

Signal to Narrative LLM Fusion for Extreme Weather Event Label Transfer

Otudi Hussain, Hakami Shatha, Obradovic Zoran

14:45-16:00

Session 11, AIAI: HSKA 1 (Health, Security & Knowledge-Centric AI)

[Remote Session, Room 5](#)

Chair: Prof. Ali Chehab

AI-Based Detection of Malicious HID Attacks Using Behavioral and Payload Analysis

Fakih Nour, Bakri Hussein, Trad Fouad, Chehab Ali

Detecting Quishing Attacks with Machine Learning Techniques Through QR Code Analysis

Trad Fouad, Chehab Ali

From Uncertainty to Utility: Policy-Driven Curriculum Distillation

Finlinson Alastair, Moschoyiannis Sotiris

Residual Adapter Learning With Attention Pooling for Medical Visual Question Answering

Nuseir Aya, Ebner Marc

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16:30-18:00

Session 12, AIAI: PTSR 1 (Perception, Tracking & Structured Reasoning)

[Hybrid Session, Room 1](#)

Chair: Assoc. Prof. Evaggelos Spyrou

Benchmarking Study of UAV-Based Urban Waste Detection Systems

Rithvik Vasireddy, Umapathi Trishita , Singh Sudhanshu, Vempalli Priya Darshini, Arya Arti

Comparative Analysis of Human and Deep Learning Annotations for Diatom Identification

Abdelmguid Dina, Kloster Michael, Bilous Olena, Brabec Karel, Burfeid-Castellanos Andrea, Herlitz Eva, Kahlert Maria, Ketesidou Dimitra, Kotyzová Lucie, Olszyński Rafał M., Vilmi Annika, Beszteri Bánk

Enhanced Real-Time Cone Detection for Formula Student via YOLO-based Architectures and a Dataset Refining Algorithm

Estrada Salvador, Oliveira Cristovão, Mendes Sérgio, Loureiro Paulo, Grilo Carlos, Ribeiro José, Miragaia Rolando

PRISM-MOT: A Compact Survey of Multi-Object Tracking through Classical, Transformer, and Foundation-Model Lenses

Ullah Mohib, Afridi Hina, Yamin Saira, Ullah Habib

Synthetic Sonar Image Augmentation Using GANs for Improved Mine Detection

Borzyszkowski Adrian, Zelioli Luca, Vasankari Lauri, Heikkonen Jukka

16:30-18:00

Session 13, AIAI: TKRS 1 (Text, Knowledge & Recommender Systems)

[Hybrid Session, Room 2](#)

Chair: Asst. Prof. Wejden Abdallah

A Multi-View Clustering Approach for Writing Bursts Based on Hybrid Text Embeddings

Rogovschi Nicoleta, Cislaru Georgeta, Grozavu Nistor

Adversarial Probing of Fragility in Integrated Gradients Attributions

BANO ARJU, Pamula Rajendra

Attention-Enhanced HiGAN+ for Handwritten Text Generation

Jakubec Maros, Kasák Peter, Jarina Roman

Interpretable Document Clustering through Neuralized K-means

Moulakake Eleftheria, K. Tasoulis Sotiris, V. Georgakopoulos Spiros, P. Plagianakos Vassilis

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Zero-shot Multi-label Text Classification Using Heterogeneous Encoder-Decoder Models
Petropoulos Panagiotis, Kaiserlis Alex, Stamatatos Efstathios

16:30-17:45

Session 14, AIAI: B5G-PINE 2 (Promoting Novel infrastructures for Growth in the 5G/B5G Era)
[Hybrid Session, Room 3](#)

Chair: Dr. Alexandros Kostopoulos, Dr. Ioannis P. Chochliouros

6G-PATH Experimentation in the B5G/6G Era via a Federated Approach

*Chochliouros Ioannis, Spiliopoulou Anastasia, Cordeiro Luis, Fernandes Joao, Wang Qi,
Alcaraz Calero Jose M., Lessi Christina, Verrios Panayiotis, Corici Andreea Ancuta*

Network Slicing-Enabled Architecture for Autonomous Inventory Verification in Smart
Warehouses

Lessi Christina, Mygdakos Gregory, Stamatelatos Makis, Chochliouros Ioannis

Applying Trustful APIs for Quality on-Demand and Traffic Influence

Corici Andreea, Sengupta Rohit, Zope Hemant, Corici Marius, Sescu Adela

Key Value Indicators in 6G for Societal Evaluation

*Kostopoulos Alexandros, Chochliouros Ioannis, Spiliopoulou Anastasia, Alcázar-
Fernández Aitor, Ramantas Kostas, Verikoukis Christos*

16:30-17:45

Session 15, AIAI: TSSA 1 (Trustworthy, Safe & Secure AI)
[Remote Session, Room 4](#)

Chair: Prof. Filippakis Michael

Bayesian Conjugacy-Based Regularizer for Field-Aware Robust Calibration

Saranovic Daniel, Gligorijevic Djordje, Zhang Yang, Shen Sheng, Obradovic Zoran

Bloom Filter Encoding for Machine Learning

Cartmell John, Cardei Mihaela, Ionut Ionut

Equal Access, Unequal Interaction: A Counterfactual Audit of Large Language Models Fairness

*Amiri-Mrgavi Alireza, Gharagozlou Arshia, Gholami Davodi Amin, Mousavi Davoudi
Seyed Pouyan, Hasani Balyani Hamidreza*

Predicting Compound Risk in AI Incidents: A Cross-Sector Classification Approach with
Education as a Critical Case

Niu Chunling, Bradley Kelly, Grote-Garcia Stephanie, Love Ashley

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16:30-17:45

Session 16, AIAI: TSSA 2 (Trustworthy, Safe & Secure AI)

[Remote Session, Room 5](#)

Chair: Assoc. Prof. Angel Arul Jothi J

Agentic Chunking and Bayesian De-chunking of AI Generated Fuzzy Cognitive Maps: A Model of the Thucydides Trap

panda akash, adigun olaoluwa, Kosko Bart

Async Budgeted Sandbox Runtime for Recursive Language Models: Improving Reliability, Cost Stability, and Safety

Tripathi Mukesh Mani

Attention-Based Deep Learning for Bloodstain Pattern Analysis: Improving High-Impact Angle Interpretation

Paudyal Anish , Tamang Sonam , Creecy James , Gravel Craig , Fu Jicheng

Integrating Depth Patch and Pixel Cues for Frame-Level Face Anti-Spoof Detection Using CNNs-XGBoost Ensemble Framework

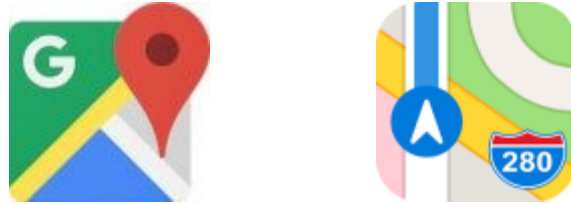
Jha Anurag Kumar , Mishra Ishaan , D Mehra Sstuti , J Angel Arul Jothi, Qadri Fathima Rahmat , Rajasekar Elakkiya

19:30-21:30

Welcome Reception

The welcome reception will be a networking event that includes a light variety of finger food and drinks which will be served to the participants in an informal way.

It will take place in the terrace of the Archeological Museum of Chania.



GPS coordinates of the Municipal University Library are 35.51694, 24.03772

The event will start at 19:30 and it will have an estimated duration of 2 hours.

Welcome reception is complimentary and free for all registered conference participants.

Please be sure to have your name badge/ QR code with you.

Tickets for accompanying and/or not registered persons can be purchased from the conference registration desk. Tickets for welcome reception costs 20 euros.

Please note that welcome reception does not include access to the exhibition area of the museum

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Friday 17/7/2026

09:30 - 17:00 Registration

10:00-11:00

Session 17, Keynote 2: "Impacts of AI on the Humanity: Utopia versus Dystopia"

[Hybrid Session, Room 1 – Keynote 2](#)

Chair: Prof. Lazaros Iliadis

Keynote Speaker: Professor Hojjat Adeli

Ohio State University, Columbus, USA

Fellow of the Institute of Electrical and Electronics Engineers (IEEE)

Honorary Professor, Southeast University, Nanjing, China

Member, Polish and Lithuanian Academy of Sciences

Elected corresponding member of the Spanish Royal Academy of Engineering.

11:30-13:00

Session 18, AIAI: TKRS 2 (Text, Knowledge & Recommender Systems)

[Hybrid Session, Room 1](#)

Chair: Prof. Delibasis Konstantinos

"Scientists have found out" - A perspective on LLMs as a Fake Publication Auditor

Thiel Marcus, Langer Stefan, Nürnberger Andreas

Automating Regulatory Compliance with Context-Aware Retrieval

Patel Anil Ranjitbhai, Popa Constantin

End-to-End Automation of Multilingual Scoping Reviews Using Agentic AI

Alharbi Abdulrahman, Alalyani Abdullah, Gupta Shelly, Pimentel Julia, Carrasco-Labra

Alonso, Glick Michael, Obradovic Zoran

Robust Neural Retrieval and Generation for Digital Advocacy: Transitioning from Fuzzy Matching to Affective RAG

Bar Niv, Abraham Stav, Hay Yael, Cohen Sarel

Validating LLM Structural Reasoning: Detecting Persistent Market Regimes Through Temporal Obfuscation

Regan Christopher, Xie Ying

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11:30-13:00

Session 19, EAAAI (EANN): IPMA (Industrial Process Monitoring & Physics-Informed AI)

[Hybrid Session, Room 2](#)

Chair: Prof. Begum Shahina

Artificial Intelligence–Based Neural Network Framework for Monitoring and Control of Noise Emissions in Steel Plants

Vannucci Marco, Akram Muhammad Waseem, Salvatore Donatella, Colla Valentina, Bernis Yves

Autoencoder-Based Compensation of Fabrication and Thermal Effects in SHFT Spectrometers for Gas Detection

Papargyris Stylianos, Avramelou Loukia, Kirtas Manos , Fu Cairui, Toxqui Rodríguez Sara , Alonso Ramos Carlos, Passalis Nikolaos, Pleros Nikolaos, Tefas Anastasios

Domain-Specific Multimodal Fine-Tuning for Enterprise Applications

Lystbæk Michael, Lystbæk Ulrik

Modeling Dataset Development for Machine Learning Prediction of the Thermo-Chemical Curing Process in Advanced Composite Structures

Ramian Arash, Rahman J M Ashfiqur, Zhao Tian, Elhajjar Rani

Physics-Informed Neural Networks for Real-Time Thermal Monitoring of Electric Vehicle Propulsion Motors

Bohwalli Carl-Johan , Ahmed Mobyen Uddin, Kabir Md Mohsin , Barua Shaibal, Islam Jahirul , Begum Shahina

11:30-13:00

Session 20, AIAI: 5G-PINE (Market Applications and Innovative Use Cases in the B5G Era)

[Hybrid Session, Room 3](#)

Chair: Mrs. Maria Belesioti, Mrs. Christina Lessi

AI-powered Wildfire Detection

Kostopoulos Alexandros, Chochliouros Ioannis, Lyberopoulos George, Salmatanis Dimitris, Panaretou Ioannis, Patsias Alexandros, Zaroliagis Christos, Kontogiannis Spyros

5G-Enabled Smart Agriculture: Requirements, Architecture and Key Benefits

Lessi Christina, Mygdakos Gregory, Chochliouros Ioannis

Healthcare 5.0 and challenges for 6G mobile technology

Tomaszewski Lechosław, Tomaszewska Agnieszka

6G-BRICKS – Defining Objective Indicators towards the elaboration of the KVI

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*Rantopoulos Michalis, Chochliouros Ioannis, Spiliopoulou Anastasia, Karampelia Ioanna,
Verikoukis Christos, Ramantas Kostas, Zafeiropoulos Nikolaos*
Smart Manufacturing Meets Data Spaces: A New Paradigm
Belesioti Maria, Diakoumakos Jason, Chochliouros Ioannis

11:30-13:00

Session 21, AIAI: DLRE 1 (Deep Learning, Representation & Evaluation)

[Remote Session, Room 4](#)

Chair: Asst. Prof. Fouad Trad

Compact Neural Networks with Level-Dependent Information Control

Kamimura Ryotaro

Progressive Learning in Neural Networks: A Comparative Architectural Analysis for Multi-Task
Continual Learning

Mahmoud Mohammed

Stability and Distributional Alignment in GANs: A Controlled Feature-Space Evaluation in
Medical Imaging

Palma Marina, Ruiz-Iniesta Almudena, Cervantes Alejandro

Stacking for Tree-Based and Hybrid Tabular Ensembles

Fazakis Nikos, Thivaivos Spiros, Kotsiantis Sotiris

Surrogate assisted diversity estimation in neural ensemble search

Udenyev Alexandr, Babkin Petr, Bakhteev Oleg

11:30-13:00

Session 22, EAAAI (EANN): ADCE (Applied Decision Control & Engineering AI)

[Remote Session, Room 5](#)

Chair: Prof. Antonio Morán

Chorus: An Agentic Framework for Generating Realistic Deliberation Data

*Koursaris Athanasios, Domalis Giorgos, Apostolopoulou Alexandra, Kanaris
Konstantinos, Tsakalidis Dimitris, Livieris Ioannis*

Estimation of the shear strength of reinforced concrete beam-column joints via machine
learning methodologies

Karampinis Ioannis, Karabini Martha, Rousakis Theodoros, Iliadis Lazaros

Explainable Artificial Intelligence for Salt Spray Chamber Application

*Chee Zhen Qi, Chin Cheng Siong, Choong Zi Jie, Chong Jun Jie, Chen Hao, Shandro Robert,
Tan ShiLiang (Johnathan)*

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LeX-Route: Automated Petition Routing in Indian Judiciary with Hybrid Embedding Ensembles
Gayen Avijit , Paul Soham , Chakraborty Somyajit , JANA ANGSHUMAN
MPC Approximation with Echo State Networks for Industrial Control Systems
*González-Mateos Guzmán, Prada Miguel A., Morán Antonio, Rodríguez-Ossorio José
Ramón, González-Herbón Raúl, Domínguez Manuel*

14:00-15:15

Session 23, AIAI: IEPM 1 (Industrial Engineering, Process Intelligence & Predictive Maintenance)

[Hybrid Session, Room 1](#)

Chair: Asst. Prof. Efthymou Kyriacou

A Multimodal Deep Learning for Natural Gas Segmentation using Spatial-Temporal Feature Fusion

Fonseca Anderson, Cunha Hugo, Santos Luiz, Ivson Paulo, Michelin Diogo, Takayama Patricia, Soares Caio, Ribeiro Roberto, Pereira Sebastião

Comparative Analysis of Machine Learning Algorithms for HVAC Control State Prediction

Ivanovic Lana, Knezevic Ivan, Kapic Amar, Markovic Tijana

S-BRO: A Data-Driven Framework for Localised Labour Constants Modelling in Malaysian Construction with Pilot Machine Learning Validation

Saari Mohd Nasir, Ab Wahab Lilawati, Syed Mustafa Syed Abdul Haris, Abd Razak Nor Arzalifah, Wan Azmi Wan Faida, Nasrudin Nur Hasni Nasrudin

Transformer-Based Prediction of Conversion Yield in Catalytic Methane Decomposition

Nguyen Thi Huong Ly, Reiminger Nicolas, Pham-Huu Cuong, Essyed Ahmed, Wemmert Cédric, Jurado Xavier

14:00-15:15

Session 24, EAAAI (EANN): EREL 2 (Efficient, Robust & Explainable Learning)

[Hybrid Session, Room 2](#)

Chair: Prof. Ahmed Mobyen uddin

ADAZOR: Hypothesis Testing for Concept Drift Detection in Machine Learning

Zanaboni Anna Maria, Malchiodi Dario, Nasra Antoine

Comparative Analysis of Kolmogorov-Arnold Networks and Multilayer Perceptrons for Predicting Vehicle-Pedestrian Collision Parameters

Kontogiannis Georgios, Passalis Nikolaos, Tefas Anastasios

Explaining Agents' Interactions through their Causal Behavior and Counterfactuals

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Islam Mir Riyanul, Barua Shaibal, Ahmed Mobyen Uddin, Begum Shahina
Spike Encoding for Environmental Sound: A Comparative Benchmark
Larroza Andres, Naranjo-Alcazar Javier, Ortiz-Castello Vicent, Grau-Haro Jordi, Zuccarello Pedro

14:00-15:15

Session 25, AIAI: B5G-PINE 3 (Challenges for Data Spaces in Modern B5G Era - Creating a Circular Economy)

[Hybrid Session, Room 3](#)

Chair: Dr. Christos A. Gizelis

ReUse-Telco: Turning Regulatory Compliance into Data Value

Gizelis Christos, Tiniakos Nikolaos, Sabati Stavrina, Kefalogiannis Mihalīs, Deligeorgi Efstathia, Marinakis Achilleas

Energy Data Sharing through Data Spaces with DATAMITE: Supporting Digital Transformation

Kontodimas Konstantinos, Panagos Iason, Manikas Savvas, Siopidis Vasileios

A Business Blueprint for Data Monetization

Bub Udo, Gizelis Christos, Schneider Rob, Vyhmeister Eduardo, Visentin Andrea

Optimizing Digital Resources Usage in Large Industries: a Telecommunications Use Case

Marinakis Achilleas, Gizelis Christos A., Panagiotidou Maria, Papakonstantinou Eleanna, Nestorakis Konstantinos, Pereira Gary Joel, Moulos Vrettos, Siopidis Vasileios, Tepelidis Nikolaos, Tsakiridis Charalampos, Votis Konstantinos, Tzouvaras Dimitrios

14:00-15:15

Session 26, AIAI: MHDW 1 (Mining Humanistic Data Workshop)

[Remote Session, Room 4](#)

Chair: Prof. Andres Iglesias

Enhancing Greek Sentiment Analysis via Few-Shot Learning and Linguistic Feature Analysis

Giakisikloglou Ioannis, Vasileiou Andreas, Merkouri Aggeliki, Flouris Spyridon, Mouratidis Despoina, Kermanidis Katia Lida

Fair Active Learning Under Label Constraints: Lightweight Query Strategies for Learning Analytics

Raftopoulos George, Davrazos Gregory, Kotsiantis Sotiris

Improving Approximate Nearest Neighbor Search with Cluster-Aware Neural Hashing for Dynamic High-Dimensional Data

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*Panou Paraskevi, Economopoulou Emmanouela-Electra, VONITSANOS GERASIMOS,
Giannoukou Ioanna, Sioutas Spyros, Stylios Chrysostomos*
Unified Fairness-Aware Semi-Supervised Learning: A Comparative Study on MBA and OULAD
Raftopoulos George, Davrazos Gregory, kotsiantis Sotiris

14:00-15:15

Session 27, AIAI: EESI 2 (Environmental, Energy & Sustainability Intelligence)

[Remote Session, Room 5](#)

Chair: Asst. Prof. Eleni Vrochidou

Context-Aware Battery Health Modelling Using an Entangled Variational Quantum Model

Mutua Alexander, de Fréin Ruairí

Data Science Analysis of Climate Effects on Cork Oak in Tunisia

Oumayma Naoui, Ahmed Toujani, Siwar Atti, Boutheina Stiti, Wahbi Jaouadi, Mohamed Farah

Data-Driven Fire-Zone Segmentation for Improved Short-Term Wildfire Prediction

Caron Nicolas, Guyeux Christophe, Noura Hassan, Aynes Benjamin

Ecosystem Simulation with Real-Time Poaching Sensing for the Amazon Rainforest

Kini Ananya, Shanbhag Disha, Hari Ajaybir, Desetti Shashank , Agarwal Pooja

15:45-17:00

Session 28, AIAI: TSSA 3 (Trustworthy, Safe & Secure AI)

[Hybrid Session, Room 1](#)

Chair: Prof. Carlos Grilo

AI-Driven Alert Triage in Security Operations Centers: Imbalanced Learning with Human-in-the-Loop Contextual Bias Modeling

*Lázaro-Teja Marcelino, Álvarez-Pérez Lorena, González-Serrano Francisco Javier,
Gutiérrez-López Aitor, Álvarez-Aldana José-Luis, Gil-López Marta, Izquierdo-Núñez
Andrés, Montero-Santos Jairo*

Democratisation of AI with understandable and easily accessible Machine Learning Operations

*Obermeier Liza, Küchen Niklas, Khir Daniel, Heim Galindo Tobias, Stocker Johanna,
Buchberger Magdalena, Pesch Robert, Frechen Henning, Meier Jonas, Schatzl Markus,
Ebert Andre*

Prompt Injection Mitigation with Agentic AI, Nested Learning, and AI Sustainability via Semantic Caching

Gosmar Diego, Dahl Deborah A.

Note that all times are in Greece - EEST (Eastern European Summer Time) Zone

Trustworthy Uncertainty Estimation via Bidirectional Knowledge Distillation
Raptis Ippokratis, Spanos Dimitrios, Passalis Nikolaos, Tefas Anastasios

15:45-17:00

Session 29, EAAAI (EANN): ESMS 2 (Environmental Sensing, Mobility & Sustainability AI)
[Hybrid Session, Room 2](#)

Chair: Dr. Papaleonidas Antonios

Animal Behavior as a Natural Early Warning System for Disaster Prediction

Beedi Sameer, Bhandarkar Sanket, Setti Sathvik, Arya Dr. Arti

Soft Computing Analysis and Classification of the Dis-solved Oxygen in the Mesochora Area of Trikala, Greece

Kiourt Nichat, Iliadis Lazaros , Akratos Chsristos , Papaleonidas Antonis

Surrogate Urban Road-Traffic Noise Mapping from Satellite-Derived Predictors via Semantic Segmentation Across European Cities

Sharma Jivitesh, Jetschny Stefan, Sainz Miquel, Blanes Nuria, Peris Eulalia, Fons Jaume

Trustworthy adaptation of deep learning models for vessel maneuvering

Kanatas Vasileios, Passalis Nikolaos , Wang Tongtong, Sanguino Beatriz, Zhang Houxiang, Li Guoyuan, Tefas Anastasios

15:45-17:00

Session 30, AIAI: B5G-PINE 4 (AI-enabled Security and Challenges in Modern Cyber Spaces)
[Hybrid Session, Room 3](#)

Chair: Dr. Ioannis P. Chochliouros, Dr. Christos A. Gizelis

Designing the Future of Secure Intelligence: A Vision for AI-Enabled Cyber-Resilient Ecosystems

*Gizelis Christos, Marinakis Achilleas, Papamokos Stavros, Kefalogiannis Mihalīs,
Poulimenou Maria, Kachrimani Louiza, Tzanakaki Anna, Anastassopoulos Markos,
Mesogiti Ioanna, Limperopoulos Giorgos, Theodoropoulou Elina, Azrak Thomas,
Dimitrakopoulou Eleni-Maria, Kokkinos Odysseas, Bianconi Luca, Clerici GUilia*

Towards AI-Driven Security in the Edge—Cloud Continuum: A Unified Architectural Perspective

*R. Tomás Pedro, Fernandes João, Miola Davide, Chrysos Grigorios, Kandoi Rajat,
Javadpour Amir, Sisto Riccardo, Dippold Matthias, Kopanaki Despina, Ioannidis Sotiris,
Maragkou Sofia, Cordeiro Luís, Taleb Tarik*

Harmful Content Moderation in e-Participation Platforms

Vidal Rui, Neto Marco, Dias Tomas, Tomas Pedro, Rosa Luis, Cordeiro Luis

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15:45-17:00

Session 31, AIAI: MHDW 2 (Mining Humanistic Data Workshop)

[Remote Session, Room 4](#)

Chair: Assoc. Prof. Andreas Kanavos

A Statistical Comparison of BERT and RoBERTa for Emotion Recognition in Online Technical Texts

Moutzikos Stergios, Kanavos Andreas

GenAI-Powered Feedback for Video-Based Learning

Ordóñez Josselyn, Anaya Antonio, Zarauz Monero Antonio, G. Zacchigna Federico

When AI Thinks for Us: Metacognitive Laziness and Critical Thinking in Higher Education

Galvez Akemi, Iglesias Andres

15:45-17:00

Session 32, AIAI: PTSR 2 (Perception, Tracking & Structured Reasoning)

[Remote Session, Room 5](#)

Chair: Assoc. Prof. Kostas Kolomvatsos

Detection of Traffic Violations and Congestion Using Deep Learning

Chinta Gkentian, Kolomvatsos Kostas

Eseg: a real time Human Instance Segmentation model for event-Based cameras

Barry Martin, Barry Martin

Graph Property Inference in Small Language Models: Effects of Representation and Reasoning Strategy

Podstawski Michal

LLM-COGNICA: Towards Reliable Agent Decision Making

Koumi Adamos, Kakas Antonis

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Guided Tour at Chania City Centre and the Old Port

Join us for a guided walking tour through the city center of Chania and its historic Old Port, one of the most charming and distinctive areas of Crete. Participants will have the opportunity to explore the rich history, unique architecture, and vibrant atmosphere of the city while discovering landmarks that reflect Chania's multicultural past. In the company of professional guides, the tour will offer a pleasant introduction to the beauty and character of the city.

Our professional guides will welcome participants in the city center for a two-hour walking tour.

All participants and their accompanying persons are welcome to join the tour.

The exact starting time and meeting point will be announced during the first day of the conference.

Note that all times are in Greece - EEST (Eastern European Summer Time) Zone

Saturday 18/7/2026

09:30 - 17:00 Registration

10:00-11:00

Session 33, Keynote 3: "AI for Trustworthy Autonomous systems: From reactive machines to reasoning agents"

[Hybrid Session, Room 1 – Keynote 3](#)

Chair: Prof. Lazaros Iliadis

Keynote Speaker: Professor Anastasios Tefas

Department of Informatics, Aristotle University of Thessaloniki

11:30-12:45

Session 34, EAAAI (EANN): PS (Poster Session)

[AIAI Poster Session](#)

[EAAAI \(EANN\) Poster Session](#)

Lead by Prof. Elias Pimenidi

Adversarial Attacks on AI-Generated Text Detection Models: A Token Probability-Based Approach Using Embeddings

Kadhim Ahmed, Jiao Lei, Shafik Rishad, Granmo Ole-Christoffer

Assessing Urban Heat Drivers in Sofia through an Integrated Geospatial and Machine Learning Framework

Vitanova Lidia , Petrova-Antonova Dessislava

Constructivist Summarization Meets Clustering: A Hybrid LLM-Based Framework for Aviation Incident Knowledge Extraction

Hatoum Carl, Combes Catherine, Fresse Virginie, Gravier Christophe, Orzalesi Mathieu

DRNTex: Deep Randomized Network for Texture Representation Learning

Zerati Ana Beatriz, Guerra Luan, Ribas Lucas

Evaluation of Geometric Accuracy using Instant-NGP

Pálková Barbora, Kamencay Patrik, Stech Adam

Prediction of Physicochemical Properties in Hydrocolloid Production

Samuel Palmer, Alejandro Moreno, Diego Vergara, Lucas Gnocchi, Sam Mugel, Roman Orus

Privacy-Aware Semantic Data Preparation for LLM-Powered Urban Health Reporting

Note that all times are in Greece - EEST (Eastern European Summer Time) Zone

Alidu Abubakari, De~Paoli Flavio, Petrova-Antonova Dessislava , Hristov Emil , Karamitov Kaloyan

Scaling Complementarity-Driven Expert Routing to Long Task Sequences in Multimodal Continual Learning

ROQUI David, Grozavu Nistor, Bourges Ann, Cormier Adèle

Towards Trustworthy AI: A Comprehensive Framework for Evaluating Model Safety Across Dimensions

Hasan Md Mahmud, Logofatu Doina, Ray Jiban Kumar

11:30-12:45

Session 35, Tutorial: "Multimodal Machine Learning in the Wild: From Foundations to Application in Real-world Scenarios"

[Hybrid Session, Room 2 – Tutorial](#)

Chair: Dr. Marios Antonakakis

Tutorial by Assistant Professor Micol Spitale & Assistant Professor Francesco Trovò

Politecnico di Milano, DEIB

11:30-12:45

Session 36, AIAI, MHDW 3 (Mining Humanistic Data Workshop): "Protecting Individuals' Privacy When Publishing High-Dimensional Data."

[Hybrid Session, Room 3](#)

Chair: Assoc. Prof. Miri Weiss-Cohen

Keynote Speaker: Associate Professor Khalil Al Hussaeni

*Associate Professor of Computing Sciences at Rochester Institute of Technology (RIT),
Dubai, United Arab Emirates (UAE)*

11:30-12:45

Session 37, EAAAI (EANN): LNLI (Language, Narrative & Code Intelligence)

[Remote Session, Room 4](#)

Chair: Theofanis Kalampokas

A Hybrid Transformer-GNN Architecture for Code Understanding

Sanketi Advay, Verulkar Aditya, M Saji Abhijith, Arya Arti

CenterDistill: Weakly-Supervised Distillation for Ambiguity-Aware Cross-Lingual QA

Note that all times are in Greece - EEST (Eastern European Summer Time) Zone

Chakraborty Somyajit , Naskar Sayak , Paul Soham , JANA ANGSHUMAN, Chakraborty Nilotpal, Gayen Avijit

ComicX: A Cognitive Pipeline for Reconstructing Comic Semantics into Emotionally Resonant Narratives with Prosody Transfer and Temporal Coherence

H M Deeksha, Karani Deepthi, Veigas Darren, Vikram Atul, S S Shylaja

ORPHEAS: A Cross-Lingual Greek--English Embedding Model for Retrieval-Augmented Generation

Livieris Ioannis, Koursaris Athanasios, Apostolopoulou Alexandra, Kanaris Konstantinos, Tsakalidis Dimitris, Domalis Giorgos

11:30-12:45

Session 38, AIAI: DLRE 2 (Deep Learning, Representation & Evaluation)

[Remote Session, Room 5](#)

Chair: Dr. Ioannis Karampinis

Ember: Prompt-Guided Conversational AI for Preliminary PHQ-9 Depression Screening with a Non-Clinical Pilot Evaluation

Arora Ruchika, Ahmed Khandakar

FedBIBD: Balanced Incomplete Block Design for Fair Practical Federated Learning

Dharavath Ramesh, Updadhay Amit Kumar, Dutta Vibekananda

NISEv2: Efficient Numerical-to-Image Learning via Multi-Object YOLOv8 Training

Mahanan Waranya , Khunsongkiet Piyavach

Timeframe-Aware Representation Learning for Multi-Resolution Deep Q-Trading

Tran Van Quy, Tran Quyen, Tran Diep

13:45-15:15

Session 39, Plenary Workshop: "Information Security in Generative A.I."

[Hybrid Session, Room 1 – Plenary Workshop](#)

Chair: Prof. Eunika Mercier - Laurent

Keynote Speaker: Professor John MacIntyre

*Chancellor of University of the Commonwealth of the Caribbean and Visiting Professor,
Democratus University of Thrace,
Co Editor-in-Chief, AI and Ethics*

Panel Members

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- Professor Larry Medsker, University of Vermont, USA, and Co-Editor-in-Chief, AI and Ethics
 - Jack Fisher, NASTAAR, UK
 - Romit Choudhury, Questa-AI, Luxembourg
-

15:45-17:00

Session 40, AIAI: HSKA 2 (Health, Security & Knowledge-Centric AI)

[Hybrid Session, Room 1](#)

Chair: Dr. Dionysios Koulouris

Federated Bayesian Learning for Spatiotemporal Epidemic Modeling

Avraam Alexandros, Mavrikaki Filia, Samoladas Vasilis

Human-in-the-Loop Legal Named Entity Annotation with LLM Assistance

Kaiserlis Alex, Petropoulos Panagiotis, Stamatatos Efstathios

Interactive Retrieval-Governed LLM Tutoring for Surgical Site Infection Prevention Education

Stylianou Frixos, Vakanas Konstantinos, Papageorgiou Panagiotis, Charalambous Andreas, Nicolaidou Iolie, Michael Koralia, Loizou Christos, Kyriacou Efthymoulos, Tsitsi Theologia

The Specialist vs. The Generalist: A Comparative Analysis of Performance and Explainability for Financial Sentiment Classification

Roque Miguel, Miragaia Rolando, Grilo Carlos

15:45-17:00

Session 41, AIAI: AI4G (AI Applications for Achieving the Green Deal Targets Workshop)

[Hybrid Session, Room 2](#)

Chair: Prof. Stelios Krinidis, Dr. Asimina Dimara, George Spaias

A novel Theoretic Framework for Quantifying and Optimizing Building Energy Flexibility

Tzitzios Ioannis, Dimara Asimina, Anagnostopoulos Christos-Nikolaos, Krinidis Stelios, Kostavelis Ioannis

Forecasting Power Generation and Load Using Fusion Techniques under Heterogeneous Environmental Conditions

Tzitzios Ioannis, Dimara Asimina, Anagnostopoulos Christos-Nikolaos, Krinidis Stelios, Kostavelis Ioannis

From Fragmented Tourism Data to Explainable AI: A Data Space Driven Approach for Sustainable Tourism Flows

Note that all times are in Greece - EEST (Eastern European Summer Time) Zone

Papaioannou Christoforos, Dimara Asimina, Krinidis Stelios

Language at the Edge: A Privacy-Preserving Natural-Language Interface for Home Energy Management Systems

Spaias George, Naserentin Vasilis , Papaioannou Alexios, Dimara Asimina, Krinidis Stelios, Logg Anders

15:45-17:00

Session 42, AIAI: MHDW 4 (Mining Humanistic Data Workshop)

[Hybrid Session, Room 3](#)

Chair: Dr. Georgios Drakopoulos

A Transparency-by-Design Framework for Explainable Text Classification in Security and Risk Monitoring

Mohasseb Alaa, Golcarenenji Gelayol, Ntantogian Christoforos, Kanavos Andreas

Automated Scoliosis Assessment via Dual-Stage YOLOv8 Detection and Attention U-Net Segmentation

Hayat Dvir, Abbassov Refael, Weiss Cohen Miri

Machine Learning for Behavioral Analysis in Airport Security Screening

Vanev Peter, Karamitsos Ioannis, Mendes Filipe, Nigbur Marian, Zaujecc Milos, Hoxha Safet, Aljeziri Mohammed , Ballaseh Abdulla

Security-Aware and Privacy-Preserving Learning Analytics for Human-Centered Precision Education

Moustaka Ioanna, Doukakis Spyridon, Ntantogian Christoforos

15:45-17:00

Session 43, AIAI: ARMO 1 (Autonomous Robotics, Mobility & Optimization)

[Remote Session, Room 4](#)

Chair: Dr. Eliana Costa e Silva

A Systematic NLP-Driven Framework for Bibliometric Analysis of Human-Like Motion Planning in Robotic Manipulators

Remelgado Hugo, Gomes Marco, Costa e Silva Eliana, Bich Estela

Fast, Role-Aware Heuristics for the DynStack Crane Scheduling Problem: From Policy Refinement to Practical Gains

Mahmud Md Tanzeem Hasan, Logofatu Doina, Ray Jiban Kumar

Multi-task learning for LiDAR Place Recognition and Semantic Place Classification in vineyard environments

Note that all times are in Greece - EEST (Eastern European Summer Time) Zone

Vilella-Cantos Judith, Martini Mauro, Ballesta Mónica, Valiente David, Payá Luis
Solving the Vehicle Routing Problem with Simultaneous Delivery and Pickup using Nature-
inspired Algorithms

Antal Szilárd-Levente, Gaskó Noémi

15:45-17:15

Session 44, AIAI: ORTL (Organizational Risk, Education & Transfer Learning)

[Remote Session, Room 5](#)

Chair: Prof. Dimitris Iakovidis

From Theory to Practice: ADMIT's Framework for Ethical GenAI in Higher Education

*Triantafyllopoulos Loukas, Takouli Vasiliki, Kalles Dimitris, Kameas Achilles , Antonaci
Alessandra*

Integrating Fuzzy Logic and Agent-Based Modeling for Norovirus Risk Assessment on Cruise
Ships

Triantafyllou Georgios , Sovatzidi Georgia, Iakovidis Dimitris

Mathematical model of statin cholesterol lowering behaviour. The effect of statin
administration on foam cells and atheromatic plaque formation

*Mylonas Evangelos , Filippakis Michael , Anastassopoulou Jane , Theophanides
Theophile*

MLTL: A Multi-Layered Transfer Learning Algorithm for data-constrained Video-on-Demand
Networks

Kimeli Kangogo, de Fréin Ruairí

Multi-Modal AI Startup Sustainability Forecasting System with Game-Based Personality
Assessment

*Takas Nikolaos, Liapis Georgios, Kouloumpris Eleftherios, Anagnostopoulos Dimosthenis,
Vlahavas Ioannis, Kousenidis Dimitrios*

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17:30-23:15

Excursion / Conference Dinner & Party

Join us for a memorable evening that combines history, culture, gastronomy, and celebration in one of the most beautiful areas of Crete.

The first part of the event is dedicated to a visit to the archaeological site of Aptera, a place of exceptional natural beauty and great historical importance. Dominating a strategic location with breathtaking views, Aptera played a key role in the development of the ancient city and remains one of the most remarkable archaeological destinations in the region.

The excursion will begin at 17:30* with boarding on the conference buses, which will take participants directly to the archaeological site. There, professional guides will lead a 90-minute guided tour, presenting the site's most important monuments, findings, and fascinating history.

After the visit, we will board the buses once again and continue to Koumos, where the Conference Dinner & Party will take place. In a warm and festive atmosphere, participants will enjoy a traditional dinner featuring a rich selection of Greek and Cretan dishes, accompanied by a wide variety of drinks, including wine, beer, soft drinks, and, of course, authentic Cretan raki / tsikoudia.

The evening will be further enriched by a local music and dance group, who will not only entertain us with live singing and traditional dances, but will also invite participants to join in and experience the spirit of Cretan celebration firsthand.

The Excursion / Conference Dinner & Party is included free of charge for all participants holding a FULL registration. **Please note that student registrations do not include tickets for this event.**

Please make sure to have your name badge / QR code with you.

Tickets for student registration holders, accompanying persons, and non-registered guests may be purchased at the conference registration desk. The ticket price for the Excursion / Conference Dinner & Party is 65 euros.

* The exact departure time and the bus departure points will be announced during the first day of the conference while the estimated return time to Chania is between 22:45 and 23:15.

Note that all times are in Greece - EEST (Eastern European Summer Time) Zone

Sunday 19/7/2026

09:30 - 15:30 Registration

10:00-11:00

Session 45, Keynote 4: "Seeing Humans Through AI: Advances in Human-Centered Computer Vision"

[Hybrid Session, Room 1 – Keynote 4](#)

Chair: Prof. Ilias Maglogiannis

Keynote Speaker: Professor Antonis Argyros

Professor, Computer Science Department, University of Crete

Affiliated Research Fellow, Institute of Computer Science, FORTH

11:30-13:00

Session 46, EAAAI (EANN): DKRE (Domain Knowledge, Risk & Resource-Efficient AI)

[Hybrid Session, Room 1](#)

Chair: Dr. Bujar Raufi

AI-Based Acoustic Flight Detection of Female Mosquitoes: A novel AI-based pipeline and data-capture setup for SIT program biofactories

Grau-Haro Jordi, Naranjo-Alcazar Javier, Zuccarello Pedro, Almenar David, Lopez-Ballester Jesus

Audience Construction in Contextual Advertising: Structural Trade-offs Between Semantic and Touch-Based Targeting

Katan Nimrod

FinFusion: Multilayer Perceptron - Quality Gated Cross-Attention Fusion for Early Credit Risk from Mixed Signals

Agrawal Mimansha, D D Naik, Dharavath Ramesh

Inductive Link Prediction in Cybersecurity Taxonomies via Graph Reasoning and Pretrained Language Models

Symeonidis Charalampos, Nikolaidis Nikos

SHEA-SLM: Sustainable High-Efficiency Architecture for Small Language Models

Papakonstantinou Panagiotis, Nyktaris Stefanos, Anagnostou Panagiotis, Tasoulis Sotiris, Georgakopoulos Spiros, Plagianakos Vassilis

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11:30-13:00

Session 47, AIAI: ARMO 2 (Autonomous Robotics, Mobility & Optimization)

[Hybrid Session, Room 2](#)

Chair: Prof. Vincent Peter C. Magboo

A Comparative Analysis of DRL-MD-HNFP and A3C for Multi-Agent Coordination

Forero Leonardo, De Mello Jr. Harold, Pacheco Marco, Kohler Manoela

Aggressive Driving Detection from Inertial Sensor Data: The Role of Temporal Segmentation and Class Imbalance

Andrade Sandra, Cruz Susana B., Ferreira Flora

Beta-Distributed Proximal Policy Optimization for Autonomous Driving with Grad-CAM Explainability

Pedrazzini Ernesto, Zangirolami Valentina, Migliorati Sonia, Borrotti Matteo

CNN-Based Visible Light Positioning via Passive Wall-Distributed Optical Sensors

Delibasis Konstantinos, Baltadourou Maria, Nousias George, Vaiopoulos Nicholas, Vavoulas Alexander, Maglogiannis Ilias, Sandalidis Harilaos

Self-Organization of Multi-UAVs for Search & Rescue using HyDRA-PSOGWO

Rahman Ashiqq, Magesh Gayathri, Srinivas Mettu

11:30-13:00

Session 48, AIAI: TKRS 3 (Text, Knowledge & Recommender Systems)

[Hybrid Session, Room 3](#)

Chair: Prof. Gabriela Czanner

A Dynamic Heterogeneous Graph Model Based on Temporal Evolution

Chu Peng, Fei Shihan, Zhao Haoran, Bao Junpeng

A Multi-View Graph Neural Network-based Approach for Addressing Cold-Start Item and Sparsity in Movie Recommendation System

Kumari Prerna, Das Monidipa, Pamula Rajendra

Approximating Power Series Centrality With The Katz Metric: Matching The Vertex Gap In Julia

Sofoulis Fotis, Theodoropoulos Konstantinos, Drakopoulos Georgios, Troussas Christos, Mylonas Phivos

Beyond Retrieval: An Explainable Legal Chatbot with Multi-Agent Large Language Models and Knowledge Graphs

Slany Emanuel, Buchmann Sara, Föhr Tassilo, Amling Jonas, Frummet Alexander, Lang Moritz, Scheele Stephan

Investigating Data Lakes Semantic Enrichment Using LLMs

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11:30-13:00

Session 49, AIAI: IEPM 2 (Industrial Engineering, Process Intelligence & Predictive Maintenance)

[Remote Session, Room 4](#)

Chair: Assoc. Prof. Andreas Kanavos

Active Learning for Fault Diagnosis of Inverter-Driven Permanent Magnet Synchronous Motors

Fazakis Nikos, Davrazos Gregory, Kotsiantis Sotiris, Dimakopoulos Yiannis

Artificial Intelligence-Driven Digital Twins for Engineering Systems: Methodologies, Algorithms, Techniques, and a Predictive Maintenance Case Study

Papaleonidas Antonios, Psathas Anastasios Panagiotis, Iliadis Lazaros

Automatic Error Correction in Process Mining Timestamp Data Using Genetic Algorithms

ROUSOU SAVVINA, ANDREOU ANDREAS

Equipment Digital Twin for Short-Horizon Forecasting and Residual- Based Anomaly Detection

Yasmal Asli, Samur Mustafa Oktay, Sahin Ocan, Kusoglu Kaya Gizem, Ozdemir Onur,

Atasever Sibel, Senses Kaan

Machine learning methodologies for the rapid estimation of seismic incident angle's influence on damage level of RC structures

Karampinis Ioannis, Morfidis Konstantinos, Kostinakis Konstantinos, Iliadis Lazaros

11:30-13:00

Session 50, EAAAI (EANN): BNVI 2 (Biomedical, Neural & Visual Intelligence)

[Remote Session, Room 5](#)

Chair: Dr. Anastasios Panagiotis Psathas

Deep Learning Benchmark for Camera Trap Image Classification

Gurushant Gurushant, Ray Jiban Kumar, Logofatu Doina

Foetal and Maternal Health Monitoring Using Edge AI and Conversational AI

Balajee Sahana, Nachnani Hiya, Sumana M K , Yaswanth B, Arya Arti

INSPIRED: INdooR Scene Placement with Inpainting, style Recognition and Estimation of Depth

Pai Sindhu, Narayan Surabhi, Sadalgekar Shreya, S Bindu, Shetty Ujwala

MAN-LV: Multiframework Approach for Neural signal decoding for Language and Vision in Locked-in patients

Rao Pernankil Pranav, Rao Rishi, Guruprasad Rachit Raam, Bhaskar Madapura Parnika, Krishnan Gokul, Agarwal Pooja

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Skin Cancer Detection using Depthwise Dilated Convolution integrating Stochastic Depth Feature Reuse Network

Reddy Niveditha, Agarwal Pooja

14:00-15:30

Session 51, AIAI: DLRE 3 (Deep Learning, Representation & Evaluation)

[Hybrid Session, Room 1](#)

Chair: Dr. Stephan Ihle

Compact vs Mid-Scale LLMs for Customer Support: A Deployment-Oriented Benchmark of Unified Classification and Response Generation

Khan Talhat, Ryan Conor

Conditional Independence Testing with Tuning: an approach based on predictive performance

Biza Konstantina, Triantafillou Sofia, Tsamardinos Ioannis

On the Mobile Augmented Reality visualization of dermatological imagery

Koulouris Dionysios, Maglogiannis Ilias

ORGAN: Object-Centric Representation Learning using Cycle Consistent Generative Adversarial Networks

Küchler Joël, van Maren Ellen, Vasiliauskaitė Vaiva, Vulić Katarina, Abbasi-Asl Reza, Ihle Stephan

Toward Dynamic Evaluation of Factual Numeric Recall in Large Language Models via Next Prime Identification

Çulha Davut

14:00-15:30

Session 52, AIAI: HCBI 2 (Health, Clinical & Biomedical Intelligence)

[Hybrid Session, Room 2](#)

Chair:

A Bayesian classifier using Youden's J Statistic for Medical Diagnosis

Fernando Irosh

A Fine-Tuned Vision Language Model Framework for Medical Forensic Image Analysis

Kallipolitis Athanasios, Tziomaka Melina , Zafeiriou Argyrios, Koulouris Dionysios, Maglogiannis Ilias

Comparative Evaluation of U-Net Architectures and Entropy-Regularised MC Dropout for Hip Implant Segmentation in Radiographs

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Pallo Dominik, Luley Michal, Petra Hlavinova, Billichova Martina, Furman Dmytro, Necas Libor, Czanner Silvester, Czanner Gabriela

Conformal risk control for trustworthy parasite egg detection in microscopic stool images

Mohammed Mohammed Aliy, Jonkers Jef, Krishnamoorthy Janarthanan, De Neve Wesley, Van Hoecke Sofie

Osteoporosis Risk Prediction Using Machine Learning and Explainable AI

Aguinaldo Isabella, Ferrer Niko Aldwin, Reyes Kofi Gabriel, Magboo Ma Sheila, Magboo Vincent Peter

14:00-15:30

Session 53, AIAI: HBDA 2 (Human Behavior & Decision Analytics)

[Hybrid Session, Room 3](#)

Chair:

Benchmarking Textual and Metadata Features Against Transformer-Based Embeddings for Crowdfunding Technology Success Prediction

Lint Keren, Yosipof Abraham

Deconstructing Depreciation: A Dynamic Feature Depreciation Network (DFDN) for Used Automobile Price Valuation

Jasas Mindaugas

Explainable EEG Microstate Classification for Cognitive Workload Estimation: A Multi-Method XAI Analysis Using SHAP, LIME, DiCE, and Anchors

Raufi Bujar

LLMs for Venture Capital Investment: Approaches and Open Problems

Galang Joyce Ann Clarize, Mosca Edoardo, Malberg Simon, Groh Georg

Stress Detection in Human–Robot Interaction Using Machine Learning and Physiological Signals

Dahlem Nanna, Spilski Jan, Bleistein Thomas, Lachmann Thomas

15:30-16:00 Closing Ceremony

[Hybrid Session, Room 1 – Closing Ceremony](#)

Note that all times are in Greece - EEST (Eastern European Summer Time) Zone

Virtual Session

[AIAI Virtual Session](#)

[EAAAI \(EANN\) Virtual Session](#)

AI-Driven Early Detection of Biological Threats Using Public Health Data

Dutta Debasish, Logofatu Doina

Chaotic Explorers: Boosting Jaya's Diversity to Escape Premature Convergence in Multimodal Optimization

Alaskandarani Mohammad, Dimitriou Tassos

Comparative Evaluation of Recommendation Bagging Algorithms: Combining Collaborative Filtering and Deep Learning

Georgiadis Christos, Karampinis Ioannis, Giatzis Antonios, Iliadis Lazaros

Context-Aware Embeddings of System Events via LLMs Towards Fine-Grained Threat Detection

Zuo Fei, Rhee Junghwan, Choe Yung Ryn, Chi Haotian

Decision-Aware and Interpretable Machine Learning for Cardiovascular Risk Screening

Shama Nishat, Logofătu Doina

Deep Learning-Based Ripeness Detection for Smart Refrigerators

Karagiannis Georgios, Bompotas Agorakis, Kalogeropoulos Nikitas-Rigas, Makris Christos

Design of an ITIL-Compliant Knowledge Base for a Retrieval-Augmented Generation System Supporting Incident Management

Kallel Yasmine, Zouari Azmi, Ketata Mounir, Loukil Zied

Downside risk assessment: an approach based on neural network Lee-Carter model

Apicella Giovanna, La Rocca Michele, Perna Cira, Sibillo Marilena

Generation of Independent Velocity Spaces through Spatiotemporal Asymmetric Neural Networks

Ishii Naohiro, Iwata Kazunori, Matsuo Tokuro

HASTE: Enhancing Fraud Detection in Financial Time Series with the novel Ensemble Hierarchical Transformer Framework

Victor Alexander Okhue

Health Alert Detection in Outdoor Environments Using Fog Computing, Embedded Machine Learning and Federated Learning with Model Poisoning Mitigation

Felipe Souza Oliveira Juan, Moreira Salles Ronaldo, Quesado Filgueiras Marcelo

Leveraging AI for Enhanced Breast Cancer Detection: A Focus on Dimensionality Reduction and Imbalanced Learning

Uwimana Anisie, Gnecco Giorgio, Riccaboni Massimo

Note that all times are in Greece - EEST (Eastern European Summer Time) Zone

Logic-Driven Cybersecurity: A Novel Framework for System Log Anomaly Detection using Answer Set Programming

Li Fang, Zuo Fei, Gupta Gopal

Multi-Model Machine Learning Comparison for Rolling-Window Portfolio Allocation

Gonšenica Adam, Kováč Urban, Bohumel Tomáš

Neuro-Symbolic RAG for ISO 21001-Compliant Educational Document Generation

Zouari Azmi, Ketata Mounir, Loukil Zied

Structured Grounded Reasoning: Explainable AI over Contextual Knowledge Graphs

de Medeiros Antony, Cavalcante Claudio, Lifschitz Sergio

The Impact of AI Advancement on Software Development Labor Market: Empirical Evidence from the United States

Zuo Fei, Xu Shengjie, Ma Xiaoyue, Qu Xianshan, Li Xiaopeng

The strange case of XOR-CNF formulas: SAT Obfuscation and more

Dimitriou Tassos

When Not to Trade: Hawkes Intensity Burst Detection for Regime-Aware Limit Order Book Prediction

Yadav Karthik, Nagarjuna Vallabhaneni, M Lal Anisha

Webex Events Platform Access Links

Main Rooms:

27th EANN / EAAAI – 22nd AIAI 2026 Room 1 & Plenary

Sessions: 1, 2, 7, 12, 17, 18, 23, 28, 33, 34, 39, 40, 45, 46, 51

<https://eann-aii.webex.com/eann-aii/j.php?MTID=m059ad37d015063a967c575d343c90274>

27th EAAAI / EANN – 22nd AIAI 2026 Room 2

Sessions: 3, 8, 13, 19, 24, 29, 41, 47, 52

<https://eann-aii.webex.com/eann-aii/j.php?MTID=m7e4ddc69103c31b617583c8a52d11d83>

27th EAAAI / EANN – 22nd AIAI 2026 Room 3

Sessions: 4, 9, 14, 20, 25, 30, 42, 48, 53

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27th EAAAI / EANN – 22nd AIAI 2026 Room 4

Sessions: 5, 10, 15, 21, 26, 31, 37, 43, 49

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27th EAAAI / EANN – 22nd AIAI 2026 Room 5

Sessions: 6, 11, 16, 22, 27, 32, 38, 44, 50

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Support Rooms:

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During conference days our EANN / EAAAI – AIAI 2026 Registration Demo & Support Room will be available as follows:

1. Thursday 16th of July 2026, 10:00 to 18:00 EEST
2. Friday 17th of July 2026, 09:30 to 17:00 EEST
3. Saturday 18th of July 2026, 09:30 to 17:00 EEST
4. Sunday 19th of July 2026, 09:30 to 15:30 EEST

During the above timeslots all participants can reach our team by:

5. Using the Registration, Demo & Support Room
6. Messenger chat using the messenger plugin at the conference website
7. Viber Text or call at: +30 698 3417351
8. WhatsApp Text or call at: +30 698 3417351
9. Direct call at: +30 698 3417351

More info can be found under the **"Live Event"** menu on the conference website.

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