

SEEDA CECNSM 2026 Conference Program

18 - 20 September 2026

Thessaloniki, Greece

Day 1

Friday 18 September 2026

09:00-09:30	**REGISTRATION + Coffee Break**

Hall II 09:30-10:00	**Welcome & Opening Remarks**

Session Chair: Prof. Sotirios Goudos

Hall II 10:00-11:00	**Keynote Speech I: Prof. Ioannis Pitas, IEEE Fellow, "Decentralized Machine Learning for Natural Disaster Management"**

Session Chair: Prof. Sotirios Goudos

Hall II 11:00-12:00	**Keynote Speech II: Prof. John N. Sahalos, IEEE Fellow, "Antenna Design Techniques for the Upcoming Wireless Systems"**

12:00-13:30	**Lunch Break**

Parallel Sessions 13:30-15:30

ASPIS 2026: 2nd Workshop on AI & Systems Security, Organisational Protection, Interaction and Cybersecurity Skills

Hall II | 13:30-15:30

Session Chair: Prof. Dimitrios Kallergis

Time	ID	Paper and Authors
13:30-13:50	99	**HANSARD: A Reference Architecture for Forensic Readiness, Runtime Witnessing, and Graded Attribution in Autonomous Multi-Agent AI Systems** *Christos Sardianos, Iliana Pla, Vasilis Efthymiou, Iraklis Varlamis, Thomas Lagkas, Panagiotis Sarigiannidis and Georgios Th. Papadopoulos*
13:50-14:10	100	**CaseBundleGen: A Multimodal RAG Benchmark Generator** *Christos Panagiotopoulos, Panagiotis Koletsis, Taxiarchis Koulouris, Georgios Papadopoulos, Kostas Stefanidis and Vasilis Efthymiou*
14:10-14:30	103	**Least-Privilege Enforcement for Non-Human Identities: A Comparison of Stateful and Stateless Credentials** *Chrysoula Koutkou, Dimitrios Kallergis and Zacharenia Garofalaki*

Time	ID	Paper and Authors
14:30-14:50	105	**A Knowledge-Guided AI Architecture for Closed-Loop Cybersecurity Validation and Incident Response** *Dimitris Koutras, Vangelis Paklatzis and Vangelis Malamas*
14:50-15:10	106	**An Explainable Hybrid AI Framework for Cybersecurity Gap Detection Using Semantic Embeddings and MITRE ATT&CK-D3FEND Knowledge** *Michael-Stanislav Favvas, Dimitris Koutras and Panayiotis Kotzanikolaou*
15:10-15:30	107	**Towards a Coherent Policy Framework for the European Cybersecurity Certification Ecosystem** *Dimitrios Kallergis, Pinelopi Kyranoudi, Zacharenia Garofalaki, Sotiris Ioannidis and Nineta Polemi*

Edge & Network Architectures

Hall III | 13:30-14:50

Session Chair: Dr. Zaharias Zaharis

Time	ID	Paper and Authors
13:30-13:50	88	**Edge-Enabled Collaborative Object Detection for Augmented Reality Applications** *Denitsa Grunova, Petros Amanatidis, Thomas Lagkas, Sotirios Goudos, Panagiotis Sarigiannidis and Dimitris Karampatzakis*
13:50-14:10	75	**Evaluating Lightweight Kubernetes Distributions on Heterogeneous ARM64 Edge Clusters** *Ioannis Kepas, Dimitrios Papakonstantinou, Christos Hitiris, Dimitrios J. Vergados and Angelos Michalas*
14:10-14:30	5	**Optimal Resource Allocation for Community Policing under Uncertain Urban Dynamics** *Spyridon Evangelatos, Eleni Veroni, Georgia Dede, Theodoros Semertzidis, Anastasios Dimou and Petros Daras*
14:30-14:50	25	**Hardware-Aware Explainable Reinforcement Learning for Energy Management for Cellular Networks** *Raazia Tariq, Artem Nickov and Verena Klös*

15:30-16:00	**Coffee Break**

Parallel Sessions 16:00-18:20

Network Security & Defense

Hall II | 16:00-18:00

Session Chair: Prof. Angelos Michalas

Time	ID	Paper and Authors
16:00-16:20	87	**Lightweight and LLM-based Approaches for Security Query Answering in Edge Computing: A Comparative Evaluation** *Vasiliki Bakratsi, Petros Amanatidis, Georgios Th. Papadopoulos, Sotirios Goudos, Panagiotis Sarigiannidis and Thomas Lagkas*

Time	ID	Paper and Authors
16:20-16:40	94	**Empirical Evaluation of LLM-Driven Penetration Testing Frameworks** *Thomas Papagiannopoulos, Konstantinos Limniotis and Adamantini Peratikou*
16:40-17:00	28	**Security Evaluation of DNS Servers and Development of a Machine-Learning-Based Detection System** *Kyriakos Kokkinidis, Vasiliki Liagkou and Chrysostomos Stylios*
17:00-17:20	31	**Beyond Explicit Threat Models: Interpreting Advanced Exfiltration Risks under EU Regulations** *Nikolaos Benias, Sozon Leventopoulos and Dimitrios Gkritzalis*
17:20-17:40	47	**A Hybrid Blockchain Architecture for Verifiable Archaeological Field Data Recording** *Dimitrios Karagiorgos, Elissavet Pekridou, Dimitrios J. Vergados and Angelos Michalas*
17:40-18:00	66	**Comparative Analysis of Unsupervised Anomaly Detection Methods for Big Urban Mobility Data** *Elias Dritsas, Maria Trigka and Phivos Mylonas*

mHealth & HCI

Hall III | 16:00-18:20

Session Chair: Dr. Achilles Bourisianis

Time	ID	Paper and Authors
16:00-16:20	16	**A clinical decision-support framework for digital cognitive assessment and risk stratification in neurodegenerative disorders** *Niki Eleni Ntagka, Konstantinos Sakkas, Michail Spyridakis, Evangelos Athens, Fotios Bosmos, Andreas Miltiadous, Euripidis Glavas, Alexandros T. Tzallas and Nikolaos Giannakeas*
16:20-16:40	17	**A Virtual Clinical Training Environment with Explainable AI Feedback in Alzheimer's and ALS Scenarios** *Konstantinos Sakkas, Niki Eleni Ntagka, Fotios Bosmos, Evangelos Athens, Andreas Miltiadous, Euripidis Glavas, Alexandros T. Tzallas and Nikolaos Giannakeas*
16:40-17:00	20	**FuzzyHCI: A Type-2 Fuzzy Logic Framework for Real-Time Adaptive Human-Computer Interaction Based on Cognitive Load and Interaction Fluency** *Christos Troussas, Akrivi Krouska, Phivos Mylonas, Cleo Sgouropoulou and Ioannis Voyiatzis*
17:00-17:20	73	**A Behaviour-Change-Aware System Architecture for Personalised Lifestyle Coaching in Breast Cancer Prevention** *Vasiliki Fiska, Anna-Maria Krooupa, Spiros Nikolopoulos and Ioannis Kompatsiaris*
17:20-17:40	76	**Enhancing User Autonomy in mHealth: Design and HCI Evaluation of an AI-Driven Decoupled Platform for Physical Activity Support** *Marios Mpratsos, Yorghos Voutos, Christos Troussas and Phivos Mylonas*
17:40-18:00	83	**Explainable Collaborative Analytics: Empowering Educators to Evaluate and Intervene in Digital Collaboration Scenarios** *Klio Stamou and Cleo Sgouropoulou*

Time	ID	Paper and Authors
18:00-18:20	67	**Serious Games in Healthcare and Special Education: A Review of Cognitive and Social Skill Interventions for Children with Neurodevelopmental Disorders** *Argyro Sachinidou, Vassilis Alimisis, Konstantinos-Filippos Kollias, Markos Tsipouras, Panagiotis Sarigiannidis and George Fragulis*

Day 2

Saturday 19 September 2026

09:30-10:00	**Welcome Coffee Break**

Session Chair: Prof. Sotirios Goudos

Hall II **10:00-11:00**	**Keynote Speech III: Prof. Andrea Massa, IEEE Fellow, Academian of the European Academy of Science, "AI-Based Methods for Next-Generation Wireless Communications - A Physical-Layer Perspective"**

Parallel Sessions 11:00-13:20

Telecommunications & Wireless

Hall II | 11:00-13:00

Session Chair: Prof. George Tsoulos

Time	ID	Paper and Authors
11:00-11:20	3	**Performance comparison of NOMA versus OMA techniques for cluster-based multi-user MIMO communication** *M. Rezwanul Mahmood, Mohammad Abdul Matin and Sotirios K. Goudos*
11:20-11:40	40	**Adaptive Diversity Selection for Energy-Aware MIMO Systems** *Nikolaos Mouziouras, Andreas Tsormpatzoglou, Georgios Tsoumanis, Konstantinos Oikonomou, Chrysostomos Stylios and Constantinos T. Angelis*
11:40-12:00	56	**Multi-Band Asymmetrical Meander-Shaped Antenna Using enAHA for Mobile Phone Terminals** *Ioannis Partheniotis, Maria Papadopoulou, Panagiotis Sarigiannidis, Theodoros Samaras, Sotirios Goudos and Achilles Boursianis*
12:00-12:20	59	**Receiver-Level Co-Channel Interference Sensitivity in LEO/NTN Downlinks** *Christos Vasileiou, Ioannis Nakas, Andreas Giannakoulas, Apostolos-Christos Tsafaras, Georgios Sarinakis and Theodoros Kaifas*
12:20-12:40	69	**Performance Evaluation of Multi-Band Four-Transmit - Four-Receive Remote Radio Unit Architectures: Throughput and Energy Efficiency Trade-offs in Modern Cellular Networks** *Dimitrios Kotsifakos, Michael Dossis and Christos Douligeris*
12:40-13:00	79	**Site-Specific Evaluation of 5G Service Feasibility in Urban Environments** *Georgia Athanasiadou, Sofia Moukidou and George Tsoulos*

Hardware & Microelectronics

Hall III | 11:00-13:20

Session Chair: Prof. Maria Papadopoulou

Time	ID	Paper and Authors
11:00-11:20	58	**Residual-Driven Cross-Family Library Augmentation for Compact Anisotropic Reflective-Metasurface Synthesis at X-Band** *Andreas Giannakoulas, Apostolos-Christos Tsafaras, Nikolaos Karkanis, Ioannis Gavriilidis, Vasileios Katsinelis and Theodoros Kaifas*
11:20-11:40	13	**EM-Aware Machine Learning Co-Optimization of mmWave Switched-Capacitor Circuits with Shunt-Inductive Peaking** *Panagiota Tsimpou and Thomas Noulis*
11:40-12:00	41	**An Analog IC Power-Efficient Artificial Neural Network Architecture for Human Gait Phase Classification** *Vassilis Alimisis, Gebre Fisehatsion Mesfin, Maximos Ioannis Tryfonas, Charalampos Papadopoulos, George F. Fragulis and Paul P. Sotiriadis*
12:00-12:20	45	**A Tunable Tau-Cell Leaky Integrate-and-Fire Neuron with Logarithmic Membrane Dynamics for Biorealistic Neuromorphic Applications** *Apostolos Kardamylas, Vasileios Moustakas, Andreas Papathanasiou, Vassilis Alimisis and Paul P. Sotiriadis*
12:20-12:40	50	**A Fully Parametric Implementation of the RISC-V Vector Extension for Scalable Edge Acceleration** *Anastasios Avgoustidis and John Kalomiros*
12:40-13:00	52	**Efficient 1D-Convolution via Linear Segmentation of the Input for TinyML** *Georgios Daoutis and George Kornaros*
	90	**Physics-Guided Residual Neural Network for the Design of Frequency-Selective Nanophotonic Absorbing Metasurfaces** *Iraklis Doulgerakis, Nicholas Nye and Nikolaos Kantartzis*

13:20-14:00	**Lunch Break**

Poster Session

13:20-14:00 and 16:00-16:20

Session Chair: Dr. Vasileios Rekkas

ID	Poster Paper and Authors
18	**Malicious Application Behaviour Detection on Android Devices Using Machine Learning Techniques** *Georgios Papadopoulos, Constantinos Hilas and Anastasios Politis*
30	**An Innovative Air Quality Monitoring System** *Alexandros Tamilias, Theodoros Karvounidis and Christos Douligeris*

ID	Poster Paper and Authors
43	**Millimeter Wave Periodic Structure Design for 5G NR Mobile Communications** *Dimitrios Sofianos, Maria Papadopoulou, Panagiotis Sarigiannidis, Theodoros Samaras, Sotirios Goudos and Achilles Boursianis*
70	**Machine Learning Models Evaluation on Crop Yield Forecasting** *Konstantinos Chatzidelis, Vasileios Rekkas and Sotirios Goudos*
91	**Impact of Energy-Driven Rational Selfishness on Age of Information in MANETs** *Dimitra Kampitaki and Anastasios Economides*
101	**Metasurface-Enabled Satellite and Non-Terrestrial Communications: From Adaptive Apertures to Integrated Sensing Networks** *Amna Tahir, Sotirios K. Goudos, Pavlos I. Lazaridis, Panagiotis Sarigiannidis, Thomas Lagkas and Zaharias Zaharis*

Parallel Sessions 14:00-16:00

6G Networks & O-RAN

Hall II | 14:00-16:00

Session Chair: Prof. Nikolaos Kantartzis

Time	ID	Paper and Authors
14:00-14:20	4	**SOSIVIO: A Time-Indexed Mixed-Integer Nonlinear Optimization Framework for Full-Duplex 6G LEO-Assisted Maritime Detection and Response** *Evangelos Spyrou, Vassilios Kappatos, Constantinos Angelis and Chrysostomos Stylios*
14:20-14:40	44	**Fuzzy-Assisted Behavioral Validation of QoS Claims in IEEE 802.11e WLANs** *Christos Christodoulou, Anastasios Politis and Constantinos Hilas*
14:40-15:00	72	**A Queue-Aware RAN Control Framework for Stable VR Traffic in 5G and Future 6G O-RAN Systems** *Georgios Gkagkas, Vasiliki Karamerou, Angelos Michalas and Dimitrios J. Vergados*
15:00-15:20	84	**Phalanx: An Open-Source Adversarial Scheduling Simulator for Multi-Link Wireless Networks** *Georgios Amponis, Panagiotis Radoglou-Grammatikis, Vasileios Gavresis, Stathis Mavridopoulos, Igor Kotsiuba, Michail-Alexandros Kourtis, Evangelos K. Markakis, Thomas Lagkas, Achilles Boursianis, Sotirios Goudos and Panagiotis Sarigiannidis*
15:20-15:40	85	**QoS-Differentiated Multi-RAT Scheduling for 6G Convergent Network Access under Contested RF** *Georgios Amponis, Panagiotis Radoglou-Grammatikis, Vasileios Gavresis, Stathis Mavridopoulos, Michail-Alexandros Kourtis, Evangelos K. Markakis, Thomas Lagkas, Achilles Boursianis, Sotirios Goudos and Panagiotis Sarigiannidis*
15:40-16:00	86	**Streaming Spectral-Gap Estimation for Self-Tuning Wireless Schedulers** *Georgios Amponis, Panagiotis Radoglou-Grammatikis, Nikolaos Moschos, Stathis Mavridopoulos, Evangelos K. Markakis, Thomas Lagkas, George Th. Papadopoulos, Stavros Shiaeles, Michail-Alexandros Kourtis, Nicholas Kolokotronis, Achilles Boursianis, Sotirios Goudos and Panagiotis Sarigiannidis*

IoT & Environmental Systems

Hall III | 14:00-16:00

Session Chair: Prof. Sotirios Goudos

Time	ID	Paper and Authors
14:00-14:20	19	**AMFITRITE - Multispectral Datasets and Lightweight CNNs for Edge-Based HAB Detection** *Konstantinos Pikounis, Konstantinos Loupos, Leonidas Alagialoglou and Asimina Mertzani*
14:20-14:40	74	**PISTIS - A Federated Data Space Platform for Data Asset Trading** *Kyriakos Stefanidis, Yury Glikman, Aslam Muhammad Ahtisham, Fabian Kirstein, Torben Jastrow and Sotiris Kousouris*
14:40-15:00	77	**A Standards-Aligned Semantic Infrastructure for Urban Air Quality Monitoring: Provenance-Aware Knowledge Graph Design for IoT Sensor Data** *Yorghos Voutos, Dimitrios Sklavounos and Phivos Mylonas*
15:00-15:20	78	**A Local-First Event-Driven Order Management System for Temporary Events** *George Petrakis, Spiridoula V. Margariti and Christos Gogos*
15:20-15:40	92	**Decision Reliability of Point and Quantile Wind Forecasting under Curtailment and Intermittency** *Dimitrios-Christos Asimopoulos, Vasileios Vitsas, Panagiotis Radoglou-Grammatikis, Ioannis Bothos, Nikolaos Episkopos, Andreas Maropoulos, Alexandra-Giola Genni and Varvara Vogiatzoglou*
15:40-16:00	93	**An Intelligent IoT and Machine Learning Framework for Extreme Weather Prediction and Early Warning** *Konstantinos Papatheodosiou, Ioannis Georgakopoulos, Vasileios P. Rekkas, Panagiotis G. Sarigiannidis, and Sotirios K. Goudos*

16:00-16:20	**Coffee Break and Poster Session**

Parallel Sessions 16:20-18:40

Projects Presentation

Hall II | 16:20-17:20

Session Chair: Prof. Sotirios Goudos

Time	ID	Paper and Authors
16:20-16:30	95	**PREserving BIOdiversity in coastal DUNEs from tourism pressure(PREBIODUNES)** *Chrysostomos Stylios and Dimitrios Salmas*
16:30-16:40	96	**CRADLES: Creating Resilient Areas to Develop Lifecycles and Ecosystem Services** *Chrysostomos Stylios, Dimitrios Salmas and Mary Styliou*
16:40-16:50	102	**MNEME: A Collaborative Memory Platform for Cultural Heritage** *Sotirios Goudos, Melina Stavropoulou, Anastasia Giovani, Sotirios Sotiroudis, Achilles Boursianis and Panagiotis Sarigiannidis*
16:50-17:00	104	**YIELD: Youth Innovators Entrepreneurship Launchpad for Deep Tech** *Chrysostomos Stylios, Mary Styliou and Dimitrios Salmas*

Time	ID	Paper and Authors
17:00-17:10	108	**Experiential Quantum Mechanic (ExQuMe): Immersive VR for Quantum Mechanics Education** *Athanasios Christopoulos, Stylianos Mystakidis, Andreas Komninos, Tomislav Stipančić, Alexandros Tampakis and Mikko-Jussi Laakso*
17:10-17:20	109	**SONIC: An Interoperable Cyber-Resilience Framework and Commodity Marketplace for European Critical Infrastructures** *Eleni Seralidou and Kitty Kioskli*
17:20-17:30	97	**Accelerating the Next Generation of Analog and Mixed-Signal IC Design through Artificial Intelligence - IPCEI Project Overview** *Thomas Noulis*

EDA & Systems Automation

Hall III | 16:20-18:40

Session Chair: Prof. Phivos Mylonas

Time	ID	Paper and Authors
16:20-16:40	60	**Mutual-Coupling-Aware Finite-Resolution RIS Phase Co-Design for Joint NLOS Millimeter-Wave Communication and FMCW Sensing** *Andreas Giannakoulas, Ioannis Gavriilidis, Georgios Sarinakis, Vasileios Katsinelis, Nikolaos Karkanis and Theodoros Kaifas*
16:40-17:00	7	**Neuro-Sem4EDA: A Neuro-Symbolic Architecture for Explainable Fault Prediction in EDA-IoT Systems** *Panagiotis Mpatos, Antonis Pliatsios and Michael Dossis*
17:00-17:20	39	**A requirements-driven design framework for distributed information systems in Vocational Education and Training Laboratories** *Dimitrios Kotsifakos, Yannis Psaromiligkos, Michael Dossis and Christos Douligeris*
17:20-17:40	55	**A Low-Power Analog Sorting Circuit for Post-Classification Ranking in Biomedical ANN Inference Systems** *Marianthi Metaxaki, Vassilis Alimisis and Paul P. Sotiriadis*
17:00-18:20	57	**Spiking Neural Networks for Traffic Accident Detection** *Abdulrahman Elsadiq, Sherif Hosny, M. Watheq El-Kharashi, Amr T. Abdel-Hamid and Ayman Tawfik*
18:20-18:40	98	**Bioelectromagnetic Analysis of the Ovine Udder: Realistic and Approximate Computational Models** *Christina-V. Saiti, Anna Varvari, Dimitrios Karatzidis and Nikolaos Kantartzis*

Session Chair: Prof. Sotirios Goudos

Hall III **17:40-18:40**	**Round Table: Open discussion among faculty members on Telecommunications applications**

Day 3

Sunday 20 September 2026

Parallel Sessions 09:00-11:40

LLMs & Generative AI

Hall II | 09:00-11:40

Session Chair: Dr. Achilles Boursianis

Time	ID	Paper and Authors
09:00-09:20	11	**ClinLLM-XAI: Explainable Clinical Decision Support Using Large Language Models with Uncertainty-Aware Reasoning** *Christos Troussas, Akrivi Krouska, Phivos Mylonas, Cleo Sgouropoulou and Ioannis Voyiatzis*
09:20-09:40	21	**A Comparative Study of Large Language Model Fine-Tuning Strategies for Low-Resource Text Classification** *Christos Troussas, Akrivi Krouska, Phivos Mylonas, Cleo Sgouropoulou and Ioannis Voyiatzis*
09:40-10:00	24	**LawNet: Modular Legal Document Summarization with LLM-based Multi-dimensional Evaluation** *Panagiotis Eznanidis, Petros Karvelis and Chrysostomos Stylios*
10:00-10:20	37	**You Only Think Once: Unifying Retrieval, Reasoning, Generation, and Verification in a Single Forward Pass** *Christos Troussas, Akrivi Krouska, Phivos Mylonas, Cleo Sgouropoulou and Ioannis Voyiatzis*
10:20-10:40	29	**Evaluating AI Code Generation on Unfamiliar Real World Game Engine via Custom Python API** *Konstantinos Goulas and Minas Dasygenis*
10:40-11:00	26	**Multimodal Misinformation Detection on Social Media Using Graph-Enhanced Cross-Modal Fusion and Temporal Attention** *Christos Troussas, Akrivi Krouska, Phivos Mylonas, Cleo Sgouropoulou and Ioannis Voyiatzis*
11:00-11:20	49	**Can LLMs Rebuild Missing Processor Components? A Structural VHDL Case Study on the E80 CPU** *Panos Stokas, Theodora Sanida, Michael Dossis and Minas Dasygenis*

Robotics, AR/VR & Gaming

Hall III | 09:00-11:40

Session Chair: Prof. Maria Papadopoulou

Time	ID	Paper and Authors
09:00-09:20	6	**Assembly Task Planning for Collaborative Robot integrating Vision-Language-Action Models with Hybrid Deliberative-Reactive Robot Control** *Dario Antonelli, Xiaolang Yang, Leonardo Urbani, Bo Yang and Xuemei Liu*

Time	ID	Paper and Authors
09:20-09:40	8	**Real-Time Power System Frequency Disturbance Detection Using Subspace Identification and Statistical Monitoring** *Dimitrios Sklavounos*
09:40-10:00	35	**Enhanced A* Path Planning for Autonomous UGV Navigation in Precision Agriculture** *Antonios Chatzisavvas, Nikolaos Baras, Theodora Sanida, Michael Dossis and Minas Dasygenis*
10:00-10:20	61	**Flow-Coherence Area Segmentation for Energy-Aware Multi-Robot Coverage Path Planning** *Nikolaos Baras, Antonios Chatzisavvas, Minas Dasygenis and Michael Dossis*
10:20-10:40	62	**An Asynchronous Dual-LiDAR Fusion Framework for Robust Target Tracking in Competitive Robotics** *Georgios Ktistakis, Ilias Stathakos, Antonios Chatzisavvas and Minas Dasygenis*
10:40-11:00	15	**Crop Recommendation via Lightweight Deep Learning for Low-Resource Devices** *Theodora Sanida, Maria Vasiliki Sanida, Argyrios Sideris, Michael Dossis and Minas Dasygenis*
11:00-11:20	34	**Command, Sync , Conquer: A Tiered Modular Architecture for Multiplayer RTS Games in Unity** *Eleftherios Rizos and Minas Dasygenis*
11:20-11:40	46	**LiteraXR: Book Preview in VR and Video See-Through MR with Controllers and Hand Tracking** *Ioannis Kepas, Elissavet Pekridou, Christos Hitiris, Antonios Vlachavas, Dimitrios J. Vergados and Angelos Michalas*

11:40-12:00	**Coffee Break**

Parallel Sessions 12:00-14:40

Cloud Platforms, Web & User Applications

Hall II | 12:00-14:20

Session Chair: Prof. Sotirios Goudos

Time	ID	Paper and Authors
12:00-12:20	63	**A Scalable Cloud Platform for Researcher-Startup Matching Using Machine Learning and Natural Language Processing** *Archontia Giannopoulou, Paraskevi Panou, Gerasimos Vonitsanos, Ioanna Giannoukou, Spyros Sioutas and Chrysostomos Stylios*
12:20-12:40	33	**AUREA: an LLM-Augmented Web Platform Auditing Framework** *Parmida Shahani, Hadise Rojhan, Francesco Bellotti, Matteo Fresta, Luca Lazzaroni, Alessandro Pighetti and Riccardo Berta*
12:40-13:00	36	**Retrieval-Augmented Generation for Adaptive Intelligent Tutoring: A Framework Integrating LLMs with Learner Modeling** *Christos Troussas, Akrivi Krouska, Phivos Mylonas, Cleo Sgouropoulou and Ioannis Voyiatzis*
13:00-13:20	89	**Predicting User Demographics from Sparse Rating Data Using Latent Representations** *Christos Salis, Antonios Pliatsios and Michael Dossis*

Time	ID	Paper and Authors
13:20-13:40	12	**EmotAdapt: Emotion-Aware Personalized Adaptive Learning Through Fuzzy Learner Profiling and LLM-Generated Content** *Christos Troussas, Akrivi Krouska, Phivos Mylonas, Cleo Sgouropoulou and Ioannis Voyiatzis*
13:40-14:00	54	**The Image of Kavala as a Tourist Destination: An Analysis of TripAdvisor Reviews** *Michail Valsamidis, Dimitrios Amanatidis and Ifigeneia Mylona*
14:00-14:20	65	**Design and Evaluation of a Conversational Assistant for Supporting Erasmus+ Student-Exchange Volunteers** *Efstratios Pantazaras, Andreas Komninos, Stylianos Mystakidis and Athanasios Christopoulos*

Biomedical Signal Analysis and Applications

Hall III | 12:00-14:00

Session Chair: Prof. Maria Papadopoulou

Time	ID	Paper and Authors
12:00-12:20	14	**An Efficient Deep Learning Framework for Breast Tumor Classification in Ultrasound Images Using Lightweight CNNs and Masked ROI** *Konstantinos Papathanasiou, Minas Dasygenis and Theodora Sanida*
12:20-12:40	22	**EEG-Based Differential Diagnosis of Alzheimer's Disease and Frontotemporal Dementia Using CNNs and Explainable AI** *Konstantinos Stefanou, Christos Bellos, Georgios Stergios, Markos G. Tsipouras, Alexandros T. Tzallas and Nikolaos Giannakeas*
12:40-13:00	51	**Cross-Stain Localization of Ballooned Hepatocytes: A p62-Guided Deep Learning Approach** *Athanasios Dossis and Nikolaos Giannakeas*
13:00-13:20	53	**Deep Learning for Prostate Cancer Segmentation in MRI: Architectures, Benchmarks, and Open Challenges** *Panagiota Tsompou, Petros Karvelis and Chrysostomos Stylios*
13:20-13:40	68	**Machine Learning and Deep Learning for Neonatal Neurological Diagnosis: Methods, Dominant Architectures, and Clinical Barriers** *Eleni Petropoulou, Katerina Tzimourta, Maria Tzitiridou-Chatzopoulou, Dimitrios Tsalikakis, Pantelis Angelidis, Markos Tsipouras, Vassilis Alimisis and George Fragulis*
13:40-14:00	71	**Pre-ictal EEG Functional Connectivity Dynamics for Seizure Anticipation in Pediatric Epilepsy** *Aimilia Ntetska, Katerina D. Tzimourta, George F. Fragulis, Pantelis Angelidis and Markos G. Tsipouras*

14:40-15:00	**Awards and Closing Ceremony**