SEEDA-CECNSM 2024 - DETAILED PROGRAM	
EEST	**Day 1: Friday, September 20th, 2024**
09:00 -- 09:30	**Registration**
09:30 -- 09:45	SEEDA-CECNSM 2024 Opening — **Christos Troussas**, General Chair of SEEDA-CECNSM 2024 - Welcome Greeting **Michael Dossis**, General Chair of SEEDA-CECNSM 2024 - Welcome Greeting **Ioannis Vogiatzis**, Head of Department of Informatics & Computer Engineering, University of West Attica, Greece - Welcome Greeting **Phivos Mylonas**, University of West Attica, Greece, Program Committee Chair of SEEDA-CECNSM 2024 - Welcome Greeting
09:45 -- 11:45	Session A1: Computer engineering — **Evaluating Machine Learning Techniques for Enhanced Prediction of Building Energy Consumption,** Gerasimos Vonitsanos, Andreas Kanavos and Phivos Mylonas **Event-Based Supervisor Control for a Bascule Bridge**, Dimitrios Fragkoulis, Fotis Koumboulis, Maria Tzamtzi and Georgios Giannaris **A Reduced overhead Accumulator-based BIST scheme for Two-pattern generation**, Evangelos Fotopoulos, Stavros Fatouros, Athanasios Milidonis and Ioannis Voyiatzis **Cybersecurity for Industrial Control Systems**, Sawatsakorn Chaiyasoonthorn, Somsak Mitatha, Surapong Siripongdee, Montri Wiboonrat and Theeraporn Sriudomsilp
11:45 -- 12:15	**Coffee Break**
12:15 -- 13:15	Plenary Keynote 1 — **Clio Sgouropoulou**, University of West Attica **- Revolutionizing Educational Data Management: Unleashing the Power of Unsupervised Learning with ChatGPT**
13:15 -- 14:30	**Lunch**
14:30 -- 17:00	Session A2: Communications and Networking — **Reliable IPS model for eLCMS Service and Files Protection,** Mahmoud Khalifa, Mohammad Ayoub Khan, Mohammad Tabrez Quasim, Mohammad Zunnun Khan and Dr. Khair Ul Nisa **Current Status of Analytical FPGA Placement,** Kosmas Kariotis, Antonios Dadaliaris, George Kranas, George Dimitriou and Michael Dossis **Design of surrogate models in civil engineering by neural networks,** Vojtěch Drahý, Radek Mařík and Heikki Kälviäinen **Gesture Dependable Robotics ARM Movement: ROS and Machine Learning Perspective**, Miral Desai, Hiren Mewada, Harsh Chhajed and Brijesh Kundaliya **Enhancing Visitor Experience and Hospitality in Accommodation Facilities through Smart Tourism and Mobile Technology,** George Pachoulas, Katerina Florou, Jeries Besharat and Chrysostomos Stylios
17:00	**End of 1st Conference Day**

SEEDA-CECNSM 2024 - DETAILED PROGRAM	
EEST	**Day 2: Saturday, September 21st, 2024**
08:00 -- 08:30	**Registration**
08:30 -- 10:00	Session B1: IoT and IoE Implementations and Approaches	**A Machine Learning Approach For The Identification Of Olive Fruit Fly in Greece,** Vasileios Rekkas, Michail Kerasidis, Sotirios Sotiroudis, Panagiotis Sarigiannidis, Konstantinos Psannis, Evdokia Krystallidou and Sotirios Goudos **A Multimodal Computer Vision Approach for Wildlife Bird Surveillance using Drones,** Dimitrios Mpouziotas, Petros Karvelis and Chrysostomos Stylios **Secure Video and Telemetry FPGA Architecture For UAVs,** Dimitrios Psilias, Athanasios Milidonis and Ioannis Voyiatzis
10:00 -- 11:30	Session B2: New Trends on Data Analytics	**Predicting, Modeling, and Designing for a Bitcoin's Technical Administrator's Micro-Credentials Skills,** Dimitrios Kiriakos, Dimitrios Kotsifakos and Yannis Psaromiligkos **Fake News Detection Approach Using Hybrid Deep Learning Framework,** Maria Vasiliki Sanida, Theodora Sanida, Argyrios Sideris, Michael Dossis and Minas Dasygenis **Advanced CNN Architectures for Improved Garbage Image Classification: An In-depth Evaluation,** Athanasios Kanavos, Orestis Papadimitriou, Gerasimos Vonitsanos, Manolis Maragoudakis and Phivos Mylonas
11:30 -- 12:00	**Coffee Break**
12:00 -- 13:00	Plenary Keynote 2	**Prof. Maria Mercedes T. Rodrigo**, Ateneo de Manila University - **AI in Education Research: Findings, Significance, and Challenges**
13:00 -- 14:00	**Lunch**
14:00 -- 16:00	Session C1: Emerging Trends in Learning Environments	**Affective Computing in Intelligent Tutoring Systems: Exploring Insights and Innovations,** Theofanis Tasoulas, Christos Troussas, Phivos Mylonas and Cleo Sgouropoulou **Redefining the Concept of Literacy: a DigCompEdu extention for Critical Engagement with AI tools,** Maria Sofia Georgopoulou, Akrivi Krouska, Christos Troussas and Cleo Sgouropoulou **The Evolution of the Web and its impact on Education: From Web 1.0 to the Metaverse,** Dimitrios Magetos, Sarandis Mitropoulos and Christos Douligeris **Development of communication, collaboration, creativity, and critical thinking in kindergarten through Educational Robotics: a pilot study,** Sophia Rapti, Sokratis Tselegkaridis, Theodosios Sapounidis
16:00 -- 16:30	**Coffee Break**
16:30 -- 19:00	Session C2: Information Technologies Essentials in Education	**Cybersecurity of Distance Education,** Dimitrios Magetos, Sarandis Mitropoulos and Christos Douligeris **Modeling Educational Strategies in Augmented Reality Learning Using Fuzzy Weights,** Christos Papakostas, Christos Troussas, Akrivi Krouska, Phivos Mylonas and Cleo Sgouropoulou **Assessing the Impact of Integrating ChatGPT as an Advice Generator in Educational Software,** Christos Troussas, Akrivi Krouska, Christos Papakostas, Phivos Mylonas and Cleo Sgouropoulou **Educational Robotics integration into Storytelling activities to promote kindergarteners' communication, collaboration, creativity, and critical thinking. A scoping review: 2014-2024,** Maria Palioura, Sophia Rapti and Theodosios Sapounidis **Conceptual Modeling and Meta-modeling of Museum Pedagogy for Vocational Education and Training,** Dimitrios Kotsifakos, Achilleia Kravvari and Christos Douligeris
20:30	**Conference Dinner (by invitation voucher only)**

SEEDA-CECNSM 2024 - DETAILED PROGRAM	
EEST	**Day 3: Sunday, September 22nd, 2024**
08:30 -- 09:00	**Registration**
09:00 -- 11:00	Session D1: Smart Environments

09:00 -- 11:00	Session D1: Smart Environments	**Improving Efficiency in Agricultural UGVs Through Enhanced Pathfinding Techniques,** Antonios Chatzisavvas, Theodora Sanida, Michael Dossis and Minas Dasygenis
		Integrated Open Source Indoor Air Quality Monitoring Platform, Ioannis Christakis, Elena Sarri, Odysseas Tsakiridis, Konstantinos Moutzouris, Dimos Triantis and Ilias Stavrakas
		Enhancing Autonomous Navigation Systems in Agriculture Equipment, Antonios Chatzisavvas, Georgios Ktistakis, Georgios Papamichail, Michael Dossis and Minas Dasygenis
		Investigating the Role of Digital Escape Rooms in Enhancing Educational Outcomes through Game-Based Learning, Panagiota Zachari, Christos Papakostas, Christos Troussas, Akrivi Krouska, Phivos Mylonas, Cleo Sgouropoulou
11:00 -- 13:00	Session D2: Smart and Sociable Ecosystems	**Social media and archeological museums in Greece: A pre-post COVID-19 study,** Ifigeneia Mylona, Dimitrios Amanatidis, Michael Dossis, Eirini Papadaki and Georgia Gioltzidou
		The Gamification Advantage Innovating Education through Engagement, Panagiotis Strousopoulos, Christos Troussas, Akrivi Krouska and Cleo Sgouropoulou
		Designing a Digital Repository for the Cultural and Natural Heritage of the Island of Zakynthos, Stergios Palamas, Katerina Kabassi and Phivos Mylonas
		Navigating the Digital Landscape: Cybersecurity and Social Media Communication in Greece, Theodoros Chrysafis, Michael Dossis, Georgia Gioltzidou, Fotini Gioltzidou, Dimitrios Amanatidis and Ifigeneia Mylona
13:00 -- 14:00	**Light Lunch / Coffee Break**	
14:00 -- 17:00	Session C3: Health Information Systems and Bioinformatics	**From Symptoms to Solutions: The Link Between Bipolar Disorder and Serious Gaming,** Anna Sfakioti, Evgenia Gkini, Evangelos Fotopoulos, Ioannis Voyiatzis, Cleo Sgouropoulou and Christos Troussas
		Artificial Intelligence-Driven Approach for Predicting Maternal Health Risk Factors, Mohammad Mobarak Hossain, Mohammod Abul Kashem and Nasim Mahmud Nayan
		Accelerating CNNs for Pneumonia Disease Diagnosis via Heterogeneous FPGA Systems, Theodora Sanida, Argyrios Sideris, Maria Vasiliki Sanida, Michael Dossis and Minas Dasygenis
		Aorta localization in Computed Tomography images: A YoloV9 segmentation approach, Panagiotis N. Smyrlis, Gabriela R. Stancu, Foteini Dimaraki, Aimilia Ntetska, Thomai Karamitsou, Katerina D. Tzimourta, Markos G. Tsipouras and Pantelis Angelidis
		Eye State Classification Using Ensemble Machine Learning Models and SMOTE on EEG Data, Maria Trigka, Elias Dritsas and Phivos Mylonas
		Yolov9 models for cancer detection in biopsy images: segmentation on pan-cancer data, Panagiotis N. Smyrlis, Aimilia Ntetska, Thomai Karamitsou, Foteini Dimaraki, Katerina D. Tzimourta, Pantelis Angelidis and Markos G. Tsipouras
17:00	**Conference Closing**	