

Thursday 19/10/2023 – DAY 1		
09:00 – 09:30	Registrations + Welcome coffee	
09:30 – 10:00	Opening:	
	Athanasios KIRIAZIS   General Secretary for Research and Innovation	
	Prof. Eustratios STILIANIDIS   Vice Rector for Research & Development, University of Thessaloniki	
	Prof. Spyridon NIKOLAIDIS   Conference Overview	
	Dr. Manolis ZERVAKIS (President, Hellenic Emerging Technologies Association)	
Master of Ceremony: Prof. MOURZTIS   Vice President for R&D, University of Patras		
10:00 – 10:45	Keynote Speaker: Tom KATSIOULAS   Member of the IoT Advisory Board for the U.S. Department of Commerce President and CEO Archon Design Solutions, Inc.	
	Title: <i>“Trusted Value Chains and Digital Business Ecosystems from CHIPS to Edge”</i>	
10:45 – 11:45	Special Session – RENESAS: <i>“The Powerful Convergence of AI &amp; IoT”</i>	
	10:45 – 11:30	Keynote by Kaushal Vora   Sr. Director of Business Acceleration & Ecosystem   Renesas
	Q&A	
	10:30 – 11:45	Georgios FLAMIS   Sr Staff Engineer, AIoT   Renesas
	Title: <i>“AI IoT applications are here!”</i>	
Moderator: John KIKIDIS   Global Ecosystem Lead, Renesas		
11:45 – 12:00	Coffee Break	
12:00 – 13:15	Paper Presentations   S1.1   Smart applications   Session Chair: Minas DASYGENIS	
12:00 – 12:15	3360	Autonomous Unmanned Ground Vehicle (UGV) In Smart Farming With A* Algorithm
12:15 – 12:30	8374	Comparing the Performance of Cameras and SW packets for the Cloud Coverage Process in Photovoltaic (PV) Parks
12:30 – 12:45	1160	Advanced Monitoring System of Industrial Refrigeration (ADMOSIR)
12:45 – 13:00	6373	Implementation of a Beehive Health Monitoring System Based on Sound
13:00 – 13:15	9471	An Audio Fingerprinting Approach based on the 2DFT for Byzantine Hymn Recognition

<b>13:15 – 14:30</b>	<b>Paper Presentations   S1.2   Novel applications   Session Chair: (TBC)</b>	
13:15 – 13:30	1139	IDEAN Neurosciences Education Platform
13:30 – 13:45	3726	SmartGlove Cloud Platform for Parkinson's Patients Data Collection & Analysis
13:45 – 14:00	4929	Rapid virtual prototyping of battery storage systems
14:00– 14:15	9053	S2W-Med Health Status Monitoring
14:15– 14:30	8723	Fish Shape Alignment Based on Deformable Shape Tracking Suite of Tools
<b>14:30 – 15:15</b>	<b>Lunch Break</b>	
<b>15:15 – 16:00</b>	Keynote Speaker: <b>Dimitrios Kyritsis</b>   EPFL & University of Oslo	
	Title: <i>“Cognitive Digital Twins for Sustainable Value Chains”</i>	
<b>16:00 – 17:45</b>	<b>Paper Presentations   S1.3   Hardware design   Session Chair: Gregory DOUMENIS</b>	
16:00 – 16:15	7941	Design and Implementation of Bone Wax Application Device
16:15 – 16:30	6794	Towards a modular IoT device design and prototyping for the Sports domain
16:30 – 16:45	9301	High-Performance Design of SRT IP Blocks
17:00 – 17:15	1120	Fractional-N Phase Locked Loop for Wi-Fi 6/6E With 135 mW Power Consumption and Spur Reduction Techniques
17:15 – 17:30	5815	Enhanced Safety Architecture with Fault Preventive Mechanisms for Automotive Li-ion Battery Management Systems
17:30 – 17:45	838	Energy Efficient ML Accelerator using a Decoupled Vector Engine and a Systolic Array attached to a Low-Cost RISC-V Scalar Core
<b>17:45 – 19:00</b>	<b>Paper Presentations   S1.4   AI - Edge AI and ML   Session Chair: Kostas Siozos</b>	
17:45 – 18:00	8081	Light Bulb control with DNN based voice user interface – the journey to design it
18:00 – 18:15	9736	Enabling Grid Resilience and Efficiency - EDGE Device for Power Grid analysis and Asset Monitoring
18:15 – 18:30	9653	Federated transformers for non-intrusive load monitoring in heat pumps
18:30 – 18:45	5311	AI-assisted Serious Games: Dialogue Management with Generative AI
18:45 – 19:00	4607	Transforming the Path Towards Automation of Monitoring and Management for Edge Computing
19:00 – 19:15	102	Intelligence Functions Placement in B5G / 6G wireless networks
<b>20:00 – 21:30</b>	<b>Networking Cocktail at Allegro   Thessaloniki Concert Hall</b> Only for Paper Presenters - Sponsors - Speakers	

Friday 20/10/2023 – DAY 2		
09:00 – 09:30	Welcome coffee	
09:30 – 11:00	Paper Presentations   S1.5   Circuits and Systems   Session Chair: Vasilis PAVLIDIS	
09:30 – 09:45	8700	Analysis of SQRL strengths and weaknesses compared to other authentication mechanisms
09:45 – 10:00	1994	Fault Detection in Analog Circuits by utilizing the Current Supply Transients
10:00 – 10:15	4126	Aging alleviation technique for 8T IMC SRAMs
10:15 – 10:30	3841	Reduction of large-scale RLCK models via low-rank balanced truncation
10:30 – 10:45	7520	MORCIC: Model Order Reduction Techniques for Electromagnetic Models of Integrated Circuits
10:45 – 11:00	4978	Design and implementation of a compact RISC-V based Machine Learning accelerator on Low End FPGA
11:00 – 11:40	<b>Keynote Speaker: Prof. Kostas DORIS</b>   NXP Semiconductors, The Netherlands <b>Title: “The pathway to higher resolution in mm-wave automotive radar”</b>	
<b>Career Day</b>		
<b>Companies Presentations</b>		
11:40 - 14:00	11:40 - 11:50	<b>Invited Speaker: Katerina PAPA KOTA</b>   Career Counselor, Career Office of AUTH <b>Title: “The Career Office of Aristotle University of Thessaloniki”</b>
	11:50 - 14:00	RENESAS
		KENOTOM
		ANSYS
		DELOITTE
		INACCESS, by POWER FACTORS
		THESS IC
		THINK SILICON, an APPLIED MATERIALS Company
		CHIPGLOBE
		ES SYSTEMS
		OLYMPIA ELECTRONICS
	U-BLOX	
14:00 – 14:10	Snack coffee break	
14:10 – 14:50	<b>Keynote Speaker: Vasileios CHATZIKOS</b>   CEO Siemens A.E., Greece <b>Title: “Industry 4.0: Unlocking the Future of Digital Transformation”</b>	

<b>14:50 – 16:00</b>	<b>Invited Speakers</b>	
	14:50 – 15:00	<p><b>Invited Speaker: Byron CHRYSOVERGIS</b>   Technology Transfer and Innovation Manager at Aristotle University of Thessaloniki</p> <p><b>Title: “Technology Transfer and Innovation at Aristotle University of Thessaloniki”</b></p>
	15:00 – 15:15	<p><b>Invited Speaker: Spyros KIARTZIS</b>   HELLENiQ ENERGY Holdings S.A.</p> <p><b>Title: “Applying emerging technologies to address the challenges of energy transition”</b></p>
	15:15 – 15:40	<p><b>Round table: “Connecting industry to academia”</b></p> <p>Participants: <b>RENESAS</b>   TBC, <b>KENOTOM</b>   Tilemachos MATIAKIS, <b>AUTH</b>   Prof. St. SISKOS), <b>ACCADEMIA</b>   Georgios SAVVIDIS, <b>PROGRESSIVE ROBOTICS</b>   Marios KIATOS</p> <p style="text-align: right;"><u>Moderator:</u> <b>Prof. Alkis CHATZOPOULOS</b></p>
	15:40 – 16:00	<p><b>Closing Day 2 remarks</b> Prof. Spyridon <b>NIKOLAIDIS</b>   Prof. Dimitris <b>MOURZTIS</b></p> <p><b>Edge Intelligence 2024 announcement:</b> Dr. Manolis <b>ZERVAKIS</b>   Prof. George <b>STAMOULIS</b></p>
<b>16:00– 17:00</b>	<b>Late Lunch</b>	