S2	2025 IEEE Sv	mposium on C	I in Engine	ering / Cyber Physical Systems (IEEE CIES)	
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18th March 20	025			1	
Session	Time	Room	#Papers	Title	Authors
	11:00:12:00	Cosmos 3c	// apers	5 Dendron: Enhancing Human Activity Recognition with On-Device TinyML Learning	hazem hesham vousef shalby: Manuel Roveri
long S2-A	12:00-13:00	Cosmos 1&2		5 Safety-Driven AMR End-to-End Navigation Framework Based on Sparse Sensor Human Behavior Prediction	Fuhua JIA; Kai Yang ; Junlin Xiao; hu tuo ; Xiaoying YANG; Adam Rushworth; Heng Yu; Tianxiang Cui
10119 02 11	12.00 15.00	0000000002		Transformer-based Multivariate Time Series Anomaly Localization	Charalampos Shimillas; Kleanthis Maialis; Konstantinos Fokianos; Marios M. Polycarpou
				Lyapunov-inspired deep reinforcement learning for robot navigation in obstacle environments	Halil Ibrahim Ugurlu; Adrian Redder; Erdal Kayacan
				Sign Diversity: A Method for Measuring Diversity in Base Learner Selection for Ensemble Regression	Farrad Rezazadeh Pilehdarboni: Emad Olfatbakhsh : Andreas Kroll
short S2-A	12:00-13:00	Cosmos 1&2		ECNN: A Low-complex, Adjustable CNN for Industrial Pump Monitoring Using Vibration Data	Jonas Ney; Norbert Wehn
	12.00 15.00	Cosmos raz	1	Audio-based Anomaly Detection in Industrial Machines Using Deep One-Class Support Vector Data Description	Sertac Kilickaya: Mete Ahishali: Cansu Celebioglu: Fahad Sohrab: Levent Eren: Turker Ince: Murat Askar: Moncef Gabbouj
				AI-Enabled Prediction of the Thermal Expansion for High-Speed Motorized Spindles in Real World Scenarios	Jakob Rothe: Raven Reisch: Felix Butz: Thomas Runkler: Lucas Janisch
				Validation-based Decision Making in Data-driven Evolutionary Computation: A Case Study in Multi-objective Feature Selection	Parastoo Dehnad; Azam Asilian Bidgoli; Shahryar Rahnamayan
				A Deep Reinforcement Learning Approach for Real-World 3D Facility Layout Problems	Maximilian Kraehschuetz: Tizian Dagner, Jonathan Leidich
				A beep Remote entern Eeuming Approach for Real Work 5D Facility Layour Frobenis	Maximian Richsender, Train Dagier, Jonatian Leiden
19th March 20					
Session	Time	Room	#Papers		Authors
	11:00:12:00	Cosmos 3d		5 Morphogenic Shape Grammars for the Design of Engineering Structures	Simon Hickinbotham; Edgar Buchanan Berumen; Peter Kilpatrick; Mark Price; Andrew Tyrrell
long S2-B	12:00-13:00	Cosmos 1&2		5 Multi-Child DE – A Massively Parallel Differential Evolution Algorithm	Rainer Storn; Kenneth Price
				Digital Twin-Based Federated Transfer Learning for Anomaly Detection in Industrial IoT	Mohammed Ayalew Belay; Adil Rasheed; Pierluigi Salvo Rossi
				Thermal Image-based Fault Diagnosis in Induction Machines via Self-Organized Operational Neural Networks	Sertac Kilickaya; Cansu Celebioglu; Levent Eren; Murat Askar
				Computational Intelligence approaches to Defect Detection in 3D Printing	Oluwaseun Awonuga; kyle madden; Sonya Coleman; Dermot Kerr
short S2-B	16:00-17:00	Cosmos 1&2		4 FROST: Fusion and Multimodal 3D Reconstruction of Icy Surfaces for Robotic Exploration	Xuan Huy Pham; Erdal Kayacan
				On-Sensor Convolutional Neural Networks with Early-Exits	hazem hesham yousef shalby; Arianna De Vecchi; Alice Scandelli; Pietro Bartoli; Diana Trojaniello; Manuel Roveri; Federica Villa
				FrostRune: An Asymmetric Translational Framework for Spiking Neural Networks from High-Level Models to FPGA Deployment	Shane Harrigan; Sonya Coleman; Dermot Kerr; Justin Quinn; Kyle Madden
				Predictive Analytics of Air Quality for IoT- Enabled Industrial Environments	Sajjad Ali; Sonya Coleman; Dermot Kerr; Justin Quinn
poster S2					
rooter of	16:00-17:00	Cosmos 1&2		I Motion Planning for Bio-Inspired Articulated AUVs: Recent Progress & Future Directions	Marios Xanthidis
100001-02	16:00-17:00	Cosmos 1&2		1 Motion Planning for Bio-Inspired Articulated AUVs: Recent Progress & Future Directions	Marios Xanthidis
Footor 02	16:00-17:00	Cosmos 1&2		Motion Planning for Bio-Inspired Articulated AUVs: Recent Progress & Future Directions	Marios Xanthidis
	16:00-17:00	Cosmos 1&2		Motion Planning for Bio-Inspired Articulated AUVs: Recent Progress & Future Directions	Marios Xanthidis
Form of	16:00-17:00	Cosmos 1&2		Motion Planning for Bio-Inspired Articulated AUVs: Recent Progress & Future Directions	Marios Xanthidis
20th March 2(Cosmos 1&2		Motion Planning for Bio-Inspired Articulated AUVs: Recent Progress & Future Directions	Marios Xanthidis
		Cosmos 1&2	#Papers		Marios Xanthidis
20th March 20 Session	025		#Papers		
20th March 20 Session oral S2-C	025 Time	Room	#Papers	Title	Authors