

2025 IEEE Symposium on CI in Health and Medicine (IEEE CIHM)						
18th March 2025						
Session	Time	Room	#Papers	Paper Id	Title	Authors
short S6-A	12:00-13:00	Cosmos I&2	6	1	Oral cancer recognition on photographic images via deep learning semantic segmentation	Parola, Marco*; Cimino, Mario; Cantini, Irene; La Mantia, Gaetano; Campisi, Giuseppina; Di Fede, Olga
				2	Multi-task deep-learning for sleep event detection and stage classification	Anido-Alonso, Adriana*; Alvarez-Estevéz, Diego
				14	JAM-net: a KAN-based Deep Neural Network for Pneumonia Detection in Chest X-Rays	Romano, Massimo*; Tedeschi, Jacopo; Amerini, Irene
				3	Quantum-Inspired NAS with Attention-Based Search Spaces for Medical Applications	Paez, Diego*; Medeiros Carvalho, Thiago; Vasquez Saavedra, Santiago; Valencia, Cesar; Figueiredo, Karla; M.B.R Vellasco, Marley
				25	MGMT Promoter Methylation Predicts Survival in Lung Adenocarcinoma	Hekim, Suleyman; Mamatjan, Yasin*
				33	Segmentation for Retinal Blood Vessels Using Channel Attention U-Net and Pix2Pix	Polowczyk, Agnieszka; Polowczyk, Alicja; Wilfos, Katarzyna; Wozniak, Marcin*
poster S6	12:00-13:00	Cosmos I&2	1	52	Detection of Nocturnal Hypoglycemia in People with Diabetes using Consumer-Grade Smartwatches	Mendez Schneider, Camilo*; Kaykayoglu, Ceren Asli; Bähler, Thiemo; Künzler, Juri; Lizosain, Aritz; Rothenbühler, Martina; Schmidt, Markus H.; Laimer, Markus; Withauer, Lilian
oral S6-A	14:00-15:00	Cosmos 3d	6	12	Images of Stress: Investigating Image Encodings and Transfer Learning for Stress Detection	Glukh, Mjellma*; Zott, Larissa; Meyer-Nieberg, Sijja; Hofmann, Marko; Küsel, Cornelia
long S6-A	15:30-16:30	Cosmos I&2	6	51	An Extensive Analysis of Match-Tracking Methods for ARTMAP	Melton, Niklas*; Brito Da Silva, Leonardo; Wunsch, Donald
				49	Investigating Fairness with FanFAIR: is Pre-processing Useful Only for Performances?	Rispoli, Michele; Nobile, Marco; Manzoni, Luca; D'Onofrio, Alberto; Confalonieri, Marco; Salton, Francesco; Confalonieri, Paola; Ruaro, Barbara; Gallese, Chiara *
				63	Algebraic Reproduction of Triage Decision Making on Simple Heuristics of Boolean Multivalued Logic	Watanabe, Taira; Nishizaka, Taishi; Suzuki, Kujira; Nishikawa, Atsushi; Katai, Hitoshi; Suzuki, Hisashi*
				27	Deep Learning on Hester Davis Scores for Inpatient Fall Prediction	Salehinejad, Hojjat*; Rojas, Ricky; Iheasirim, Kingsley; Yousuffuddin, Mohammed; Borah, Bijan
				38	Transforming Medical Practice: Harnessing the Power of Big Data and Machine Learning for Predictive Precision Medicine	Theocharopoulos, Panagiotis*; Bersimis, Sotiris; Georgakopoulos, Spiros; Tsoulis, Sotiris; Plagianakos, Vassilis
19th March 2025						
Session	Time	Room	#Papers	Paper Id	Title	Authors
short S6-B	12:00-13:00	Cosmos I&2	4	34	Enhancing Proactive Patient Outreach with Medical Message Classification Using Synthetic Data from ChatGPT	Camargo de Brito, Adriana; Galindo Leal, Adriano*; Torres Custodio, Gustavo; Jose Rodrigues, Edilson; Marcia Viana Martins, Michele; Monteiro de Paula Guirado, Vinicius
				37	Dual-Objective Federated Learning Strategy for Lung X-ray Analysis in Healthcare Systems	Jiszcz, Antoni*; Polap, Dawid
				1	Lightweight Neural Architecture Search for Cerebral Palsy Detection	Tempel, Feite*; Ihlen, Espen Alexander F.; Strumke, Inga
				21	Diagnosis and Severity Estimation of Ulcerative Colitis using Self-Supervised Learning	Margapuri, Venkata Siva Kumar*
LBP S6	12:00-13:00	Cosmos I&2	5	36	MindMend: Explainable GANs for Simulating Mental Health Scenarios in Therapist Training	SRI, L. POOJA*; R, Thrisha; Srijayanthi, Dr.; JOHNSON, SANDRA
				44	Application of Quadratic Discriminant Analysis in prediction of premature birth of twins based on Electrohysterogram	Niu, Haijun*
				79	Hemodialysis in End-Stage Renal Disease Patients Using Wearable Devices, Vein Reflow Enhancement Strategies, and Respiratory Rhythm Training	han, chen*; Chen, YILI; Chang, ChinChieh; Wang, ChuanChia; Lin, ShuJen; Fang, TungJing
				92	Multi-Modal Chest Pathology Classification Using Pre-trained Large Language Models and Image Transformers	Kekulandara, Madhukara*; Abeysiriwardana, Chamudi
				34	Using YOLO for Fine Tuning Inflammatory Bowel Disease Detection: A Thick Data Approach	Fiaidhi, Jinan; Mohammed, Sabah*
oral S6-B	14:00-15:00	Cosmos 3c	6	28	AnonymSys: an automatic, remote assessment of early cognitive decline in real-world conversational speech	Pahar, Madhurananda*; Tao, Fuxiang; Mirhedari, Bahman; Pevy, Nathan; Bright, Rebecca; Gadgil, Swapnil; Sproson, Lise; Braun, Dorota; Illingworth, Caitlin; Blackburn, Daniel; Christensen, Heidi
long S6-B	15:00-16:00	Cosmos I&2	6	22	Enhancing Patients Compliance in Home-Based Respiratory Rehabilitation after cardiac surgery: A Smartphone Application for Monitoring Spirometer Exercises Using YOLOv8-Pose	Ferrari, Davide*; Vitali, Andrea; Regazzoni, Daniele; Rizzi, Caterina
				6	Deep-Learning Classifiers for Small Data Orthopedic Radiology	Nitschke, Geoff*
				10	Vendor-Agnostic 3D Mitral Valve Segmentation Using Semi-Supervised Learning	HAU, Matlys*; Mumafo, Riccardo; Saitta, Simone; Veronesi, Federico; Grenne, Bjørnar; Ingallina, Giacomo; Lindseth, Frank; Votta, Emiliano; Kiss, Gabriel
				15	Feasibility of using EEG-based BCI for tracking perceptual growth in infants	Aggarwal, Swati*; Weel, Ruud van der; Agyei, Seth Bonsu; Van der Meer, Audrey
				17	Generating Cardiovascular Data by Integration of Physiological Information	Kümmert, Johannes; Schulz, Alexander*; Habigt, Moritz; Stemmler, Malke; Kohler, Christina; Abel, Dirk; Rossaint, Rolf; Hammer, Barbara
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Session	Time	Room	#Papers	Paper Id	Title	Authors
oral S6-C	10:00-11:00	Cosmos 3c	5	20	Application of Fuzzy-based Uncertainty in Cardiac MRI Segmentation	Lin, Qiao*; Garibaldi, Jon
long S6-C	11:00-12:00	Cosmos I&2	5	30	Robust Unified Graphical Lasso based on t-distribution	Moriya, Ryohei; Tamoka, Kensuke*; Takagishi, Mariko; Hiwa, Satoru; Hiroyasu, Tomoyuki
				42	LSTM-Based Classification of Psychiatric Disorders Using Ultra-Short Raw ECG Signals	psakmaki@uth.gr
				55	Comparative Analysis and Evaluation of Well-being Activity-Infused Fine-Tuned Language Models with Benchmark Models	MOHAMMED, HAMZA HARUNA*; Kiss, Gabriel; Serrano, J. Arur; Lindseth, Frank
				62	Training Deep Neural Networks with Multi-objective Adam Optimizer for Medical Image Classification	Nikbakhtsarvestani, Farzaneh*; Ebrahimi, Mehran; Rahmamanyan, Shahrvar