

CET time	Tuesday, June 7	
13h30 – 14h00	Opening / Welcome	
14h00 – 14h55	<b>Keynote 1: Addressing the food image challenge by uncertainty modeling and single-to-multi-label food recognition</b> Prof. Petia Radeva <i>University of Barcelona, Spain</i> Chair: Prof. Johan Debayle (Mines Saint-Etienne, France)	
14h55 – 15h10	Break time	
15h10 – 16h25	<b>Session 1</b> Chair: Prof. Jinshan Tang (George Mason University, USA)	
	15h10	<b>Deep learning based Morphological Solder Segmentation</b> Moritz Sontheimer (1), Shuo-Yan Chou (1) <i>1 – National Taiwan University of Science and Technology (Taipei, Taiwan)</i>
	15h35	<b>A Matrix-based Satellite Cloud Tracking Algorithm</b> Yash Raizada (1), Pallaw Mishra (1), Sanand Sule (1) <i>1 – Climate Connect (Gurugram / Pune, India)</i>
	16h00	<b>Camera-Based Meal Type and Weight Estimation in Self-Service Lunch Line Restaurants</b> Teemu Sarapisto (1), Lauri Koivunen (2), Tuomas Makila (2), Arto Klami (1), Pauliina Ojansivu (1) <i>1 – University of Helsinki (Helsinki, Finland)</i> <i>2 – University of Turku (Turku, Finland)</i>
16h25 – 16h40	Break time	
16h40 – 17h55	<b>Session 2</b> Chair: Dr. Mayssa Frikha (University of Sfax, Tunisia)	
	16h40	<b>CNN-based Model for Gender and Age Classification based on Palm Vein Images</b> Ruber Hernandez-Garcia (1), Zheng Feng (2), Ricardo J. Barrientos (1), Francisco Manuel Castro (3), Julian Ramos-Cezar (3), Nicolas Guil (3) <i>1 – Universidad Catolica del Maule (Talca, Chile)</i> <i>2 – University of Sidney (Sidney, Australia)</i> <i>3 – Universidad of Malaga (Malaga, Spain)</i>
	17h05	<b>Deep Orientation-Guided Gender Recognition from Face Images</b> Mohamed Selim (1), Stephan Krauss (1), Tewodros Amberbir Habtegebrial (1), Alain Pagani (1), Didier Stricker (1) <i>1 - German Research Center for Artificial Intelligence, DFKI GmbH (Kaiserslautern, Germany)</i>
	17h30	<b>Using deep learning to retrieve 3D geometrical characteristics of a particle field from 2D projected images: Application to multiphase flows</b> Kassem Dia (1, 2), Fabrice Lamadie (1), Johan Debayle (2) <i>1 - CEA, DES, ISEC, DMRC, Univ. Montpellier (Marcoule, France)</i> <i>2 – MINES Saint-Etienne (Saint-Etienne, France)</i>

CET time	Wednesday, June 8	
14h00 – 14h55	<b>Keynote 2: Analyzing and Generating Humans Faces</b> Prof. Mohamed Daoudi <i>IMT Lille Douai, France</i> Chair: Dr. Marjory Da Costa-Abreu (Sheffield Hallam University, UK)	
14h55 – 15h10	Break time	
15h10 – 16h25	<b>Session 3</b> Chair: Prof. M. Haroon Yousaf (University of Engineering Technology Taila, Pakistan)	
	15h10	<b>Multi-stage Attention-Pooling Network for Lane Marking Detection</b> Saketh Bachu (1), Tushar Garg (1), Deepak Panda (1), Mallikarjuna Reddy (1), Shaikh Ibrahim (1), Bharath Bhat (1) <i>1 - Mercedes-Benz Research and Development India Pvt. Ltd. (Bangalore, India)</i>
	15h35	<b>ANKELU: A Telugu Spoken Digits Corpora for Mobile Speech Recognition</b> Meghana Pullagura (1), Parabattina Bhagath (1), Pradip K Das (2), Vikram Kumar Y (1) <i>1 - Jawaharlal Nehru Technological University Kakinada (Andhra Pradesh, India)</i> <i>2 - Indian Institute of Technology Guwahati (Assam, India)</i>
	16h00	<b>HistoSeg: Quick attention with multi-loss function for multi-structure segmentation in digital histology images</b> Saad Wazir (1), Muhammad Moazam Fraz (1) <i>1 - National University of Sciences and Technology (Islamabad, Pakistan)</i>
16h25 – 16h40	Break time	
16h40 – 17h55	<b>Session 4</b> Chair: Prof. Qiao Wang (SouthEast University, PRC)	
	16h40	<b>Speeding up Graph Matching by Means of Systematic Graph Reductions Using Centrality Measures</b> Anthony Gillioz (1), Kaspar Riesen (1) <i>1 - University of Bern (Bern, Switzerland)</i>
	17h05	<b>Deep Learning vs Keypoint: Which Feature Set Is Better for Shell Recognition?</b> Maleakhi Agung Wijaya (1), Christopher Town (1) <i>1 - University of Cambridge (Cambridge, United Kingdom)</i>
	17h30	<b>Spectral and Cepstral Analysis of Colombian Birdsongs using Multidimensional Scaling</b> Jose M. Arias-Arias (1), Juan P. Ugarte (1) <i>1 - Universidad de San Buenaventura (Medellin, Colombia)</i>

CET time	Thursday, June 9	
14h00 – 14h55	<b>Keynote 3: Completely Contactless Palmprint Detection and Matching for Ubiquitous Personal Identification</b> Prof. Ajay Kumar <i>Hong Kong Polytechnic University, Hong Kong</i> Chair: Dr. Lucio Marcenaro (University of Genoa, Italy)	
14h55 – 15h10	Break time	
15h10 – 16h25	<b>Session 5</b> Chair: Dr. Marjory Da Costa-Abreu (Sheffield-Hallam University, UK)	
	15h10	<b>A Multi-color Spatio-Temporal Approach for Detecting DeepFake</b> Saima Waseem (1), Syed R. Abu-Bakar (1), Zaid Omar (1), Bilal Ashfaq Ahmed (1), Saba Baloch (1) <i>1 - Faculty of Engineering, Universiti Teknologi Malaysia (Johor, Malaysia)</i>
	15h35	<b>Restaurant Queuing Time Prediction Using Random Forest Regression</b> Yijia Xue (1), Xiang Zhang (2) <i>1 - DukeKunshan University (Suzhou, China)</i> <i>2 - Southeast Univerisity (Nanjing, China)</i>
16h00	<b>Exploring Bias Analysis on Judicial Data using Machine Learning Techniques</b> Bruno dos Santos Fernandes da Silva (1), Marjory da Costa-Abreu (2) <i>1 - Universidade Federal do Rio Grande do Norte (Lagoa Nova, Brazil)</i>	
16h25 – 16h40	Break time	
16h40 – 17h55	<b>Session 6</b> Chair: Prof. Larbi Boubchir (University of Paris 8, France)	
	16h40	<b>Atypical lexical abbreviations identification in Russian medical texts</b> Anna Berdichevskaia (1) <i>1 - Faculty of Engineering Cybernetics, NUST MISiS (Moscow, Russia)</i>
	17h05	<b>Camera and LiDAR analysis for 3D object detection in foggy weather conditions</b> Nguyen Anh Minh Mai (1, 2), Pierre Duthon (2), Pascal Housam Salmane (2), Louahdi Koudour (2), Alain Cruzil (1), Sergio A. Velastin (3, 4) <i>1 - IRIT, Universite de Toulouse, UPS (Toulouse, France)</i> <i>2 - STI research team, Cerema (Toulouse, France)</i> <i>3 - Queen Mary University of London (London, United Kingdom)</i> <i>4 - University Carlos III (Madrid, Spain)</i>
17h30	<b>Predicting Alignability of Point Cloud Pairs for Point Cloud Registration Using Features</b> André Kirsch (1), Andrei Günter (1), Matthias König (1) <i>1 - Bielefeld University of Applied Sciences (Minden, Germany)</i>	

CET time	Friday, June 10	
14h00 – 14h55	<b>Keynote 4: Unsupervised clustering of generalized coordinates for incremental generative models in autonomous systems</b> Prof. Carlo Regazzoni <i>University of Genova, Italy</i> Chair: Dr Cesar Astudillo (Universidad de Talca, Chile)	
14h55 – 15h10	Break time	
15h10 – 16h25	<b>Session 7</b> Chair: Dr Juan Zamora (Pontificia Universidad Catolica de Valparaiso, Chile)	
	15h10	<b>Efficient Clustering of Genetic Entities</b> Anna Molyavko (1), Evgenia Karepova (2), Igor Borovikov (3), Michael Sadovsky (3) <i>1 - Siberian Federal University (Krasnoyarsk, Russia)</i> <i>2 - Nekkar.net (California, USA)</i> <i>3 - Institute for Computational Modeling SB RAS (Krasnoyarsk, Russia)</i>
	15h35	<b>Applied Perspectives of Physical and Mathematical Systems with Ordinary Software Engineering Tools</b> Manne Hannula (1) <i>1 - Oulu University of Applied Sciences (Oulu, Finland)</i>
16h00	<b>Exploring Content-Based and Meta-Data Analysis for Detecting Fake News Infodemic: A case study on COVID-19</b> Oluwaseun Ajao (1), Ashish Garg (1), Marjory Da Costa-Abreu (1) <i>1 - Sheffield Hallam University (Sheffield, United Kingdom)</i>	
16h25 – 16h40	Break time	
16h40 – 17h55	<b>Session 8</b> Chair: Prof. Antoine Manzanera (ENSTA Paris, France)	
	16h40	<b>Human Fall Detection using YOLO: A Real-Time and AI-on-the-Edge Perspective</b> Ali Raza (1, 2), Muhammad Haroon Yousaf (1, 2), Sergio A. Velastin (3) <i>1 - University of Engineering and Technology (Taxila, Pakistan)</i> <i>2 - National Centre of Robotics and Automation (RawalPindi, Pakistan)</i> <i>3 - Queen Mary University of London (London, United Kingdom)</i>
	17h05	<b>Lightweight CNN and GRU Network for Real-time Action Recognition</b> Waqas Ahmed (1, 2), Umair Naeem (3), Muhammad Haroon Yousaf (2, 4), Sergio A. Velastin (5) <i>1 - Department of Telecommunication Engineering, University of Engineering and Technology (Taxila, Pakistan)</i> <i>2 - Swarm Robotics Lab-NCRA, University of Engineering &amp; Technology (Taxila, Pakistan)</i> <i>3 - Department of Electronics Engineering, Tsinghua University (Tsinghua, China)</i> <i>4 - Department of Computer Engineering, University of Engineering and Technology (Taxila, Pakistan)</i> <i>5 - School of Electronic Engineering and Computer Science, Queen Mary University of London (London, United Kingdom)</i>
	17h30	<b>Quadsight Vision System in Adverse Weather: Maximizing the benefits of visible and thermal camera</b> Pierre Duthon (1), Nadav Edelstein (2), Efi Zelentzer (2), Frederic Bernardin (1) <i>1 - STI research team Cerema (Clermont-Ferrand, France)</i> <i>2 - Foresight Automotive (Nes Ziona, Israel)</i>
17h55 – 18h10	Closing	