

Conference Program

	Sunday	Monday	Tuesday
09:30-10:30	Keynote talk I: Laura Waller	Keynote talk II: Bart Thomee	Keynote talk III: Francesco G.B. De Natale
10:30-11:00	Coffee break	Coffee break	Coffee break
11:00-13:00	Oral 1: CI Algorithms I	Oral 4: MM classification and applications	Oral 6: Applications II
a	32: A Fast Parallel Algorithm for Convolutional Sparse Coding <i>Erik Skau and Brendt Wohlberg</i>	9: Learning Discriminative Representations for Big Data Clustering using Similarity-based Dimensionality Reduction <i>Nikolaos Passalis and Anastasios Tefas</i>	53: Modelling of Material Ageing with Generative Adversarial Networks <i>Stavros Papadopoulos, Anastasios Drosou and Dimitrios Tzovaras</i>
b	11: Deep BCD-Net Using Identical Encoding-Decoding CNN Structures for Iterative Image Recovery <i>Il Yong Chun and Jeff Fessler</i>	25: Quantitative Evaluation of Salient Deep Neural Network Features Using Random Forests <i>Aditya Tewari, Fangsheng Gu, Frederic Grandider and Didier Stricker</i>	16: Handwritten Signature Verification via Deep Sparse Coding Architecture <i>Dimitrios Tsourounis, Ilias Theodorakopoulos, Elias Zois, George Economou and Spiros Fotopoulos</i>

	Sunday	Monday	Tuesday
11:00-13:00	Oral 1: CI Algorithms I	Oral 4: MM classification and applications	Oral 6: Applications II
c	27: Model complexity trade-offs in non-local video denoising algorithms <i>Pablo Arias, Gabriele Facciolo and Jean-Michel Morel</i>	17: Muscle Type Classification on Ultrasound Imaging using Deep Convolutional Neural Networks <i>Sofoklis Katakis, Nikolaos Barotsis, Dimitrios Kastaniotis, Christos Theoharatos, Dimitrios Tsourounis, Spiros Fotopoulos and Elias Panagioutopoulos</i>	33: Video Deconfounding: Hearing-Aid Inspired Video Enhancement <i>Andrew Berlin and Rajeev Surati</i>
d	44: Low Memory Image Reconstruction Algorithm from RAW images <i>Thibaud Briand</i>	20: Attention-Aware Generative Adversarial Networks (ATA-GANs) <i>Dimitris Kastaniotis, Ioanna Ntinou, Dimitrios Tsourounis, George Economou and Spiros Fotopoulos</i>	43: A 3D Thermal Model for Real-Time Condition Monitoring of Electrochemical Processes <i>Dimitra Triantafyllou, Savvas Rogotis, Stelios Krinidis, Dimosthenis Ioannidis and Dimitrios Tzouvaras</i>
e	48: Improved Solution to the l0 Regularized Optimization Problem via Dictionary-Reduced Initial Guess <i>Paul Rodriguez</i>	22: Aerial-CAM: Salient Structures and Textures in Network Class Activation Maps of Aerial Imagery <i>Bhavan Vasu, Faiz Rahman and Andreas Savakis</i>	38: Application of Range and Color Imaging Sensors for Spatial Orientation Tracking <i>Adrian Goral</i>
f	23: Empirical Studies on Phase Retrieval <i>Russell Hart, Huibin Chang and Yifei Lou</i>	29: HEAD POSE ESTIMATION FOR AN OMNIDIRECTIONAL CAMERA USING A CONVOLUTIONAL NEURAL NETWORK <i>Yusuke Yamaura, Yukihiro Tsuboshita and Takeshi Onishi</i>	
13:00-14:20	Lunch break	Lunch break	Lunch break

	Sunday	Monday	Tuesday
14:20-15:40	Oral 2: MM retrieval	Oral 5: Applications I	Oral 7: Social Media
a	13: Fully unsupervised optimization of CNN features towards Content Based Image Retrieval <i>Maria Tzelepi and Anastasios Tefas</i>	34: A Novel Finger Vein Recognition System based on Enhanced Maximum Curvature Points <i>Christos Vasilopoulos and Athanassios Skodras</i>	30: A Comparative study of Global and Deep Features for the analysis of user-generated natural disaster related images <i>Kashif Ahmad, Amir Sohail, Nicola Conci and Frances De Natale</i>
b	6: Fusion of Compound Queries with Multiple Modalities for Known Item Video Search <i>Ilias Gialampoukidis, Anastasia Moumtzidou, Stefanos Vrochidis and Yiannis Kompatsiaris</i>	54: A 3D-CNN approach for the spatio-temporal modeling of surface deterioration phenomena <i>Nikolaos Dimitriou, Stavros Papadopoulos, Anastasios Drosou and Dimitrios Tzovaras</i>	35: People and vehicles in danger – A fire and flood detection system in social media <i>Panagiotis Giannakeris, Konstantinos Avgerinakis, Anastasios Karakostas, Stefanos Vrochidis and Yiannis Kompatsiaris</i>
c	26: Exploring CNN-based architectures for Multimodal Salient Event Detection in Videos <i>Petros Koutras, Athanasia Zlatintsi and Petros Maragos</i>	28: 3D MESH INPAINTING USING MATRIX COMPLETION VIA AUGMENTED LAGRANGE MULTIPLIER METHOD <i>Gerasimos Arvanitis, Aris Lalos, Konstantinos Moustakas and Nikos Fakotakis</i>	24: Gender recognition based on social networks for multimedia production <i>Orestis Giannakopoulos, Nikos Kalatzis, Ioanna Roussaki and Symeon Papavassiliou</i>
d	8: MindCamera: Interactive Image Retrieval and Synthesis <i>Yu Zhao, Jingyu Wang and Qi Qi</i>	Free time / social event	5: Twitter-based Sensing of City-level Air Quality - <i>Polychronis Charitidis, Eleftherios Spyromitros-Xioufis, Symeon Papadopoulos and Yiannis Kompatsiaris</i>
15:40-16:10	Coffee break	Free time / social event	Coffee break

	Sunday	Monday	Tuesday
16:10-17:10	Oral 3: Medical imaging	Free time / social event	Oral 8: CI Algorithms II
a	31: Functional Connectivity in Parkinson Disease through Mixture Modelling <i>Vangelis Oikonomou, Konstantinos Blekas and Loukas Astrakas</i>	Free time / social event	55: Anisotropic spatiotemporal regularization in compressive video recovery by adaptively modeling the residual errors as correlated noise <i>Nasser Eslahi and Alessandro Foi</i>
b	39: Deep Learning-Based Sinogram Completion for Low-Dose CT <i>Muhammad Usman Ghani and W. Clem Karl</i>	Free time / social event	50: Low-Rank plus Sparse Tensor Models for Light-field Reconstruction from Focal Stack Data <i>Cameron Blocker, Il Yong Chun and Jeffrey Fessler</i>
c	42: Tomographic Reconstruction Via 3D Convolutional Dictionary Learning <i>Erik Skau and Cristina Garcia-Cardona</i>	Free time / social event	2: Accelerated Gradient Descent Method for Projections onto the l_1 -Ball <i>Paul Rodriguez</i>