

Monday			Tuesday			Wednesday		
Hello from General chairs: 8:30 - 8:45								
Keynote 1: 8:45-9:45 prof. Slobodan Ribarić (University of Zagreb, Croatia)			Keynote 1: 8:45-9:45 prof. Elmar Nöth (University Erlangen-Nürnberg, Germany)			Keynote 1: 8:45-9:45 prof. Bernhard Rinner (Alpen-Adria-Universität Klagenfurt, Austria)		
Session 1: Mobile and Robotic Vision (9:45-10:55)			Session 1: Signal Processing (9:45-10:55)			Session 1: SI Endoscopic Imaging (9:45-10:55)		
O1	Improving vision-based obstacle detection on USV using inertial sensor	Borja Bovcon*, Fakulteta za računalništvo in informatiko Ljubljana; Matej Kristan, University of Ljubljana; Rok Mandeljc, University of Ljubljana; Janez Perš, University of Ljubljana	O7	Simple Multiplierless CIC Compensators Providing Minimum Passband Deviation	Aljoša Dudarin, Ericsson Nikola Tesla d.d. Research and Development Centre; Goran Molnar*, Ericsson Nikola Tesla d.d. Research and Development Centre; Mladen Vučić, University of Zagreb	O13	Differentiating ureter and arteries in the pelvic area via endoscope camera using deep neural network	Balázs Harangi*, University of Debrecen; Andras Hajdu, University of Debrecen; Peter Torok, UNIDEB; Rudolf Lampe, UNIDEB
O2	Robust real-time chest compression rate detection from smartphone video	Øyvind Meinich-Bache*, University of Stavanger; Kjersti Engan, University of Stavanger	O8	A Pulse Compression Procedure for an Effective Measurement of Intermodulation Distortion	Pietro Burrascano, Universit`a di Perugia; Marco Ricci, Universita' della Calabria; Stefano Laureti, Universit`a di Perugia; Alessandro Terenzi, Università Politecnica delle Marche; Stefania Cecchi*, Università Politecnica delle Marche	O14	Efficient Texture Regularity Estimation for Second Order Statistical Descriptors	Attila Tiba*, University of Debrecen; Balázs Harangi, University of Debrecen; Andras Hajdu, University of Debrecen
O3	3D Registration on Mobile Platforms Using an Accelerometer	Tomislav Pribanic, n/a; Tomislav Petkovic, University of Zagreb, Faculty of Electrical Engineering and Computing; Matea Donlic*, University of Zagreb Faculty of Electrical Engineering and Computing; Tome Radman, University of Zagreb, Faculty of Electrical Engineering and Computing; Joaquim Salvi, University of Girona, Institute of Computer Vision and Robotics	O9	TFD Thresholding In Estimating The Number of EEG Components And The Dominant IF Using The Short-Term Rényi Entropy	Jonatan Lerga*, University of Rijeka, Faculty of Engineering; Nicoletta Saulig, University of Rijeka, Faculty of Engineering; Rebeka Lerga, University of Rijeka, Faculty of Maritime Studies; Ivan Štajduhar, University of Rijeka, Faculty of Engineering	O15	Pixelwise segmentation of uterine wall in endoscopic video frame using convolutional neural networks	Peter Burai*, Debreceni Egyetem; Balázs Harangi, University of Debrecen
Coffee Break: 10:55-11:25			Coffee Break: 10:55-11:25			Coffee Break: 10:55-11:25		
Session 2: Signal Analysis (11:25-12:35)			Session 2: Medical (11:25-12:35)			Session 2: Pattern Recognition and Statistical modelling (11:25-12:35)		
O4	A Smartphone-based Fall Detection System for the Elderly	Panagiotis Tsinganos*, University of Patras; Athanasios Skodras, University of Patras, Greece	O10	Detection of glomeruli in renal pathology by mutual comparison of multiple staining modalities	Maja Temerinac-Ott*, University of Strasbourg; Cédric Wemmert, University of Strasbourg; Germain Forestier, University of Haute Alsace; Friedrich Feuerhake, Hannover Medical School; Jessica Schmitz, Hannover Medical School; Jan-Hinrich Bräsen, Hannover Medical School; Meyke Hermsen, Radboud University Medical Center	O16	Decision support system for the diagnosis of neurological disorders Using Hierarchical Histogram Representation for the EM Clustering Algorithm Enhancement	David Kupas*, University of Debrecen; Gyorgy Czifra, University of Debrecen; Gabor Andrassy, University of Debrecen; Balázs Harangi, University of Debrecen
O5	Analytic Spectrum as a Tool for Time-Frequency Signal Analysis	Viacheslav Antsiperov*, Kotelnikov Institute of Radioengineering and Electronics of Russian Academy of Sciences	O11	Dental age estimation from panoramic X-ray images using statistical models	Marko Subasic*, FER Zagreb	O17		Anna Denisova*, Samara National Research University; Vladislav Sergeyev, Samara National Research University
O6	Audio Chord Estimation Based on Meter Modeling and Two-Stage Decoding	Pierangelo Migliorati*, UNIBS; Marco Dalai, UNIBS; Riccardo Leonardi, UNIBS; Alessio Degani, UNIBS	O12	Far-field infrared system for the high-accuracy in-situ measurement of ocular pupil diameter	Csilla Fülep*, Budapest University of Technology and Economics; Gábor Erdei, Budapest University of Technology and Economics	O18	OBJECT RECOGNITION USING SHAPE GROWTH PATTERN	Abbas Cheddad*, Blekinge Institute Technology; Huseyin Kusetogullari, Blekinge Institute of Technology; Håkan Grahn, Blekinge Institute Technology
Monday poster spotlight session I (12:35-13:05) Posters X to XX (9) w/o orals 2min per spotlight			Tuesday poster spotlight session I (12:35-13:05) Posters X to XX (9) w/o orals 2min per spotlight			Goodbye from general chairs (12:50-13:05)		
Lunch Break: 13:05-15:05			Lunch Break: 13:05-15:05					
Poster Session I (15:05-17:05)			Poster Session I (15:05-17:05)					
P1	Atlas-based global and local RF segmentation of head and neck organs on multimodal MRI images	Szabolcs Urbán*, SZTE; Attila Tanacs, University of Szeged	P14	Gaussian Mixture Background for Salient Object Detection	Zhuo Su*, Beihang University; Hong Zheng, Beihang University; Guorui Song, Beihang University			
P2	Towards Hardware-Friendly Retinex Algorithms	Nikola Banić*, University of Zagreb Faculty of Electrical Engineering and Computing; Sven Loncaric, University of Zagreb Manfred Klopschitz*, Joanneum Research; Roland Perko, Joanneum Research; Gerald Lodron, Joanneum Research; Gerhard Paar, Joanneum Research; Heinz Mayer, Joanneum Research	P15	Prolate-Spheroidal UWB Pulse Shapers With Highly Orthogonal Impulse Responses	Goran Molnar*, Ericsson Nikola Tesla d.d. Research and Development Centre; Ante Milos, Ericsson Nikola Tesla d.d. Research and Development Centre; Mladen Vučić, University of Zagreb			
P3	Projected Texture Fusion		P16	Full Search Equivalent Fast Block Matching using Orthonormal Tree-structured Haar Transform	Izumi Ito*, Tokyo Institute of Technology; Karen Egiazarian, TUT, Tampere, Finland Boshra Kajaer*, Sadjad university of technology ; Rafael Grompone von Gioi, CMLA, ENS Cachan (Paris-Saclay); Gabriele Facciolo, ENS Paris - Saclay; Jean-Michel Morel, CMLA, ENS Cachan (Paris-Saclay)			
P4	Evaluation of Image Quality Metrics for Sharpness Enhancement	Yao Cheng, NTNU; Marius Pedersen*, NTNU, Gjovik, Norway; Guangxue Chen, South China University of Technology	P17	Straight subjective contour detector	Piotr Skulimowski*, Lodz University of Technology; Mateusz Owczarek, Lodz University of Technology; Paweł Strumiłło, Lodz University of Technology			
P5	A Convolutional Neural Network Based Approach to QRS Detection	Marko Šarlija*, University of Zagreb, Faculty of Electrical Engineering and Computing	P18	Door Detection in Images of 3D Scenes in an Electronic Travel Aid for the Blind				
P6	Multispectral scene recognition based on dual convolutional neural networks	Igor Ševo, University of Banja Luka, Faculty of Electrical Engineering; Aleksej Avramovic*, University of Banja Luka, Faculty of Electrical Engineering	P19	Optimal cut in minimum spanning trees for 3-D cell nuclei segmentation	arnaud abreu*, lcube			
P7	Masking in Chrominance Channels of Natural Images – Data, Analysis, and Prediction	Vlado Kitanovski*, NTNU						
P8	Semi-automated measurement of the Cobb angle from 3D mesh models of the scoliotic spine	Uroš Petković*, University of Ljubljana, Faculty of Electrical Engineering; Robert Korez, University of Ljubljana, Faculty of Electrical Engineering; Tomaz Vrtovec, University of Ljubljana	P21	Generation and Evaluation of an MRI Statistical Organ Atlas in the Head-Neck Region	Attila Tanacs*, University of Szeged maissa chagmani*, IM2NP; Bernard Xerri, IM2NP; Bruno Borloz, IM2NP; Claude Jauffret, IM2NP			
P10	Image Mosaicing of Tunnel Wall Images using High Level Features	Leanne Attard, University of Malta; Carl Debono*, University of Malta; Gianluca Valentino, University of Malta; Mario Di Castro, CERN	P22	The Constrained Stochastic Matched Filter Subspace Tracking				
P11	Real-Time Face Tracking under Long-Term Full Occlusions	Martin Soldic*, FER; Darijan Marcetic, FER; Slobodan Ribaric, University of Zagreb, FER	P23	Image Registration with Subpixel Accuracy of DCT-Sign Phase Correlation with Real Subpixel Shifted Images	Izumi Ito*, Tokyo Institute of Technology			
P12	Semantic Image Segmentation for Pedestrian Detection	Adi Nurhadiyahna*, Faculty of Electrical Engineering, University of Zagreb	P24	Barley defects identification	Piotr M. Szczypiński*, "Lodz University of Technology, Poland"			
P13	Blind Determination of Quality of JPEG Compressed Images	Dipabali Sarkar, Indian Statistical Institute; Sarbani Palit*, ISI Kolkata	P25	Estimation of Students' Attention in the Classroom From Kinect Features	Janez Zaletelj*, University of Ljubljana			
P01	A Smartphone-based Fall Detection System for the Elderly	Panagiotis Tsinganos*, University of Patras; Athanasios Skodras, University of Patras, Greece	P26	Choosing an Accurate number of Mel Frequency Cepstral Coeficients for Audio Classification Purpose	Lacrimioara Grama*, Signal Processing Group/Faculty of Electronics, Telecommunications and Information Technology/Technical University of Cluj-Napoca; Corneliu Rusu, Technical University of Cluj-Napoca			
P02	Robust real-time chest compression rate detection from smartphone video	Øyvind Meinich-Bache*, University of Stavanger; Kjersti Engan, University of Stavanger	P04	A Pulse Compression Procedure for an Effective Measurement of Intermodulation Distortion	Pietro Burrascano, Universit`a di Perugia; Marco Ricci, Universita' della Calabria; Stefano Laureti, Universit`a di Perugia; Alessandro Terenzi, Università Politecnica delle Marche; Stefania Cecchi*, Università Politecnica delle Marche			
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P07	Analytic Spectrum as a Tool for Time-Frequency Signal Analysis	Viacheslav Antsiperov*, Kotelnikov Institute of Radioengineering and Electronics of Russian Academy of Sciences	P06	Using Hierarchical Histogram Representation for the EM Clustering Algorithm Enhancement	Anna Denisova*, Samara National Research University; Vladislav Sergeyev, Samara National Research University			
Sightseeing tour			Sightseeing tour					
Reception party (late afternoon)			Conference dinner (evening)					