

Tue. Aug. 22	18:30 – 20:30	Welcome Reception (Queen Tower Room)
--------------	---------------	--------------------------------------

Wednesday August 23	Time	Room A	Room B	Room C
	8:45 – 9:30	Opening + Spotlight talk by Alan Oppenheim + DSP Conf. History by Thanos Skodras		
	9:30 – 10:00	Short Plenary talk - Sidney Burrus (50 Years of Designing Digital Filters)		
	10:00 – 10:30	Short Plenary talk - Chris Dick (The impact of FPGAs on signal processing: a retrospective and the road ahead)		
	10:30 – 11:00	Tea Break		
	11:00 – 13:00	Constantinides Session Image and video processing	The Dennis Gabor Session: Honouring Alan V Oppenheim Signal processing applications	50 years of DSP Session Design and implementation of signal processing systems
	13:00 – 14:00	Lunch		
	14:00 – 15:00	Plenary Talk – Patrick Flandrin		
	15:00 – 16:20	Signal processing theory and methods	Estimation theory and applications	SS- Time-Frequency Analysis with Applications
	16:20 – 16:50	Tea Break		
	16:50 – 18:10	Medical signal and image processing	Communication signal processing + Radar and sonar signal processing	SS - Numerical Optimization Techniques with Applications

Thursday August 24	Time	Room A	Room B	Room C
	9:00 – 10:00	Plenary Talk- Jose Principe		
	10:00 – 10:30	Tea Break		
	10:30 – 12:30	Medical signal processing	SS - Monte Carlo-based methods for inference of intractable models	Sensor array and multichannel signal processing
	12:30 – 13:30	Inaugural Luncheon and Forum for the WIE Club		
	13:30 – 14:30	Plenary Talk – Vladimir Lucic		
	14:30 – 16:00	Image and video processing	Nonlinear signal processing and adaptive filters + Multi-way signal processing	SS- Signal Processing and Control Theory for Smart Grids
	16:00 – 16:30	Tea Break		
	16:30 – 18:10	Signal processing theory and methods	SS- Multimodal Biomedical Signal Processing	SS - Recent Advances in Sparse Inverse Problems
	19:00 – 22:00	Banquet (Ognisko, Exhibition Rd.)		

Friday August 25	Time	Room A	Room B	Room C
	9:00– 10:00	Plenary Talk - Andy Cheadle		
	10:00 – 10:30	Tea Break		
	10:30 – 12:30	Audio and acoustic signal processing	Compressive sensing, dictionary learning & sparse reconstruction	SS - Multimedia Signal Processing for Cyber-security and Privacy + Information forensics & security
	12:30 – 13:30	Lunch		
	13:30 – 14:30	Plenary Talk – Urbashi Mitra		
	14:30 – 16:00	SS - Time-Frequency Analysis with Applications	Communication signal processing + Radar and sonar signal processing	SS - Deep Learning for Audio and Speech Processing
	16:00 – 16:30	Tea Break		
16:30 – 18:00	Image and Medical Image processing	Nonlinear signal processing and adaptive filters + Multi-way signal processing		

## Programme in detail

### Wednesday August 23, Morning

Image and video proc. Room A Chair: Wan-Chi Siu 11:00 – 13:00	Paper titles and author names Anthony G. Constantinides Session
8	Low-Rank and Sparse Matrix Recovery Based on a Randomized Rank-Revealing Decomposition <i>Maboud Kaloorazi and Rodrigo de Lamare</i>
13	Hole Correction in Estimated Depth Map from Single Image using Color Uniformity Principle <i>Himanshu Kumar, Sumana Gupta and K. S. Venkatesh</i>
15	Sequence-Guided Siamese Neural Network For Video Summarization of Unmanned Aerial Vehicles <i>Jin Chen, Yi Wang, Zehan Chen and Yuexian Zou</i>
60	A Blobs Detection Algorithm Based on a Simplified Form of the Fast Radial Symmetry Transform <i>Nikolaos Pouloupoulos and Emmanouil Psarakis</i>
81	Early Merge Mode Decision for Depth Maps in 3D-HEVC <i>Hao Chen, Chang-Hong Fu, Yijin Zhang, Yui-Lam Chan and Wan-Chi Siu</i>
10	A novel optimally gamma corrected intensity span maximization approach for dark image enhancement <i>Himanshu Singh, Anil Kumar, Lokendra K. Balyan and G. K. Singh</i>

Signal Processing Appl. Room B Session Chair: Alan V. Oppenheim 11:00 – 13:00	Paper titles and author names The Dennis Gabor Session: Honouring Alan V Oppenheim
9	How does the brain process mild versus strong violations in music? A Pilot Study Using Event-Related Potentials <i>Marie-Eve Joret, Marijn van Vliet, Flavio Camarrone and Marc M. Van Hulle</i>
29	Two-Dimensional Cross-Correlation for Defect Detection in Composite Materials Inspected by Lock-in Thermography <i>Roberto Marani, Davide Palumbo, Umberto Galietti, Ettore Stella and Tiziana D'Orazio</i>
34	Fault Detection of Chemical Processes using Improved Generalized Likelihood Ratio Test <i>Majdi Mansouri, Hazem Nounou and Mohamed Nounou</i>
64	A Dictionary Learning Based Approach for Gait Classification <i>Nils Poschadel, Sanam Moghaddamnia, Javier Conte Alcaraz, Marc Steinbach and Jürgen Peissig</i>
105	Utilizing both Radarsat-2 And TerraSAR-X Polarimetric Data For Crop Growth Stages Estimation <i>Yifeng Li and George Lampropoulos</i>
158	Soliton Solutions Finding for the Telecommunication Engineering Application <i>Iosif Andrushkevich, Alexander Krot and Yuliya Novik</i>

Design and implementation of SP Room C Chair: Fredric Harris 11:00 – 13:00	Paper titles and author names 50 Years of DSP Session
5	Investigation on Power Consumption of Product Accumulation Block For Multiplierless FIR Filters <i>Xin Lou, Wenbin Ye and Ya Jun Yu</i>
26	Structurally orthogonal finite precision FPGA implementation of block-lifting-based quaternionic paraunitary filter banks for L2L image coding <i>Nick A. Petrovsky, Eugene V. Rybenkov and Alexander A. Petrovsky</i>
139	Cascade Non-Maximally Decimated Filter Banks Form Efficient Variable Bandwidth Filters for Wideband Digital Transceivers <i>Fredric Harris, Xiaofei Chen, Elettra Venosa and Chris Dick</i>
89	A Merged BP Decoding Algorithm for Polar-LDPC Concatenated Codes <i>Jiaai Liu, Shusen Jing, Xiaohu You and Chuan Zhang</i>
95	Reconfigurable Fast Filter Bank Based on Node-Modulation <i>Tong Ma and Ying Wei</i>
164	An Optimal Filter for Signals with Time-Varying Cyclostationary Statistics <i>Matt Carrick, Jeffrey H Reed and Fred Harris</i>

### Wednesday August 23, Afternoon

SP Theory & Methods Room A Chair: Ya Jun Yu 15:00 – 16:20	Paper titles and author names
38	Estimation of Sparse Equivalent Graph Filters with Limited Observations <i>Shengda Jin, Zhaowei Zhu, Xuming Song, Sadiq Ali, Hua Qian and Xiliang Luo</i>
41	Learning Graph Structure with Stationary Graph Signals via First-order Approximation <i>Zhaowei Zhu, Shengda Jin, Xuming Song and Xiliang Luo</i>
42	Iterative Zero Phase Method for White and Impulse Noise Reduction <i>Akira Tanaka and Arata Kawamura</i>
52	Sparsity-Aware Set-Membership Adaptive Algorithms with Adjustable Penalties <i>André Flores and Rodrigo de Lamare</i>

Estimation Theory Room B Chair: Takuro Kida & Tirza Routtenberg 15:00 – 16:20	Paper titles and author names
24	A Gaussian Process Approach for Extended Object Tracking with Random Shapes and for Dealing with Intractable Likelihoods <i>Waqas Aftab, Allan De Freitas, Lyudmila Mihaylova, and Mahnaz Arvaneh</i>
53	Multi-Step Knowledge-Aided Iterative ESPRIT for Direction Finding <i>Silvio Pinto and Rodrigo De Lamare</i>
94	Non-Bayesian Estimation with Partially Quantized Observations <i>Nadav Harel and Tirza Routtenberg</i>
40	Monaural Source Separation Based on Adaptive Discriminative Criterion in Neural Networks <i>Yang Sun, Lei Zhu, Jonathon Chambers and Mohsen Naqvi</i>

SS-Time frequency Room C Chair: Patrick Flandrin 15:00 – 16:20	Paper titles and author names
47	An EMD-based micro-Doppler signature analysis for mini-UAV blade flash reconstruction <i>Beom-Seok Oh, Xin Guo, Fangyuan Wan, Kar-Ann Toh and Zhiping Lin</i>
61	Recursive versions of the reassigned scalogram and of the synchrosqueezed Wavelet Transform <i>Dominique Fourer and François Auger</i>
96	Instantaneous Frequency Law tracking using signal's representation in phase diagram domain <i>Cornel Ioana, Angela Digulescu, Alexandru Serbanescu, Jerome Mars, Costin Vasile and Gabriel Vasile</i>
74	Sparse Recovery of Time-Frequency Representations via Recurrent Neural Networks <i>Yassin Khalifa, Zhenwei Zhang and Ervin Sejdic</i>

Medical Signal & Image Room A Chair: Chong Wang 16:50 – 18:10	Paper titles and author names
48	Mobile Quantification and Therapy Course Tracking for Gait Rehabilitation <i>Javier Conte Alcaraz, Sanam Moghaddamnia and Jürgen Peissig</i>
58	Dynamic Gene and Transcriptional Regulatory Networks Inferring with Multi-Laplacian Prior from Time-Course Gene Microarray Data <i>Li Zhang, Ho-Chun Wu, Shing-Chow Chan and Chong Wang</i>
62	Decision Tree based Sleep Stage Estimation from Nocturnal Audio Signals <i>Boya Deng, Biao Xue, Hong Hong, Changhong Fu, Zhiyong Wang and Xiaohua Zhu</i>
65	Automated identification of epileptic seizure EEG signals using empirical wavelet transform based Hilbert marginal spectrum <i>Abhijit Bhattacharyya, Vipin Gupta and Ram Bilas Pachori</i>

Comm. SP & Radar Room B Chair: Vincent Poor 16:50 – 18:10	Paper titles and author names
7	Beamforming and Power Allocation for Energy-Efficient Massive MIMO <i>Long D. Nguyen, Hoang D. Tuan, Trung Q. Duong and H. Vincent Poor</i>
17	Joint Detection and Channel Estimation Based on Sparse Representation for LTE Systems <i>Yuriy Zakharov, Rodrigo de Lamare, Delai Zheng, Xin Tang and Kun Wang</i>
43	Optimization of the second order autoregressive model AR(2) for Rayleigh-Jakes flat fading channel estimation with Kalman filter. <i>Ali El Husseini, Eric Pierre Simon and Laurent Ros</i>
6	Blind Automatic Modulation Classification in Multipath Fading Channels <i>Vincent Gouldieff, Jacques Palicot and Steredenn Daumont</i>

SS-Numerical Optimization Room C Chair: Fusheng Bai 16:50 – 18:10	Paper titles and author names
27	A Nonsmooth Equation System Solver Based on Subgradient Method <i>Qiang Long and Changzhi Wu</i>
59	H6Proxy: Address Forging and Data-Gram Forwarding based Attack Testing Proxy System in IPv6 Network <i>Wu Liu, Ping Ren and Donghong Sun</i>
128	Finite Precision Implementation of Random Vector Functional-Link Networks <i>Antonello Rosato, Rosa Altilio and Massimo Panella</i>
151	A modified stochastic response surface algorithm for expensive black-box global optimization <i>Fusheng Bai and Zhe Zhou</i>

### Thursday August 24, Morning

Medical Signal Process. Room A Chair: Toshihisa Tanaka 10:30 – 12:30	Paper titles and author names
75	One Dimensional Local Binary Patterns of Electroencephalogram Signals for Detecting Alzheimer's Disease <i>Santosh Tirunagari, Samaneh Kouchaki, Simon Bull, Daniel Abasolo and Norman Poh</i>
101	Classification of seizure and non-seizure EEG signals based on EMD-TQWT method <i>Vipin Gupta, Abhijit Bhattacharyya and Ram Bilas Pachori</i>
102	Recurrence quantification analysis applied to fetal heart rate variability with fetal magnetocardiography <i>Diana Escalona-Vargas, Curtis Lowery and Hari Eswaran</i>
123	Psychomotor Cues for Depression Screening <i>Zafi Sherhan Syed, Kirill Sidorov and David Marshall</i>
156	A Kalman-Based Instantaneous Frequency Estimation for Anesthetic Depth Measurement <i>Amirreza Lashkari and Reza Boostani</i>
162	Exploration of Distance Metrics in Consensus Clustering Analysis of fMRI Data <i>Asoke Nandi</i>

SS - Monte Carlo Meth. Room B Chair: Simon Godsill 10:30 – 12:30	Paper titles and author names
36	An Improved Resampling Approach for Particle Filters in Tracking <i>Abdullahi Daniyan, Yu Gong and Sangarapillai Lambotharan</i>
82	Convergence results for tractable inference in $\alpha$ -stable stochastic processes <i>Marina Riabiz, Tohid Ardeshiri and Simon Godsill</i>
111	Anti-Tempered Layered Adaptive Importance Sampling <i>Luca Martino, Victor Elvira and David Luengo</i>
127	Initialising Kernel Adaptive Filters via Probabilistic Inference <i>Iván Castro, Cristóbal Silva and Felipe Tobar</i>
129	On the performance of nonlinear importance samplers and population Monte Carlo schemes <i>Joaquin Miguez</i>

Sensor Array & Multich. Room C Chair: Rodrigo de Lamare 10:30 – 12:30	Paper titles and author names
4	FFT-based Adaptive 2-D DOA Estimation for Arbitrary Array Structures <i>Jie Zhuang, Hao Xiong, Wei Wang and Xianglin Cai</i>
19	Robust Distributed Beamforming Based on Cross-Correlation and Subspace Projection Techniques <i>Hang Ruan and Rodrigo de Lamare</i>
33	White Noise Reduction for Wideband Beamforming Based on Uniform Rectangular Arrays <i>Mohammad Reza Anbiyaei, Wei Liu and Des C. McLernon</i>
76	Joint 4-D DOA and Polarization Estimation Based on Linear Tripole Arrays <i>Xiang Lan, Wei Liu and Henry Y.T. Ngan</i>
77	Direction-of-Arrival Estimation in Nonuniform Noise via Low-Rank Matrix Decomposition <i>Bin Liao, Chongtao Guo and Hing Cheung So</i>

Thursday August 24, Afternoon

Image and video proc. Room A Chair: Thanos Skodras 14:30 – 16:00	Paper titles and author names
106	Bi-Directional Superpixel Earth Mover's Distance For Training Free Person Re-Identification <i>Chong Wang, Zhouchi Lin and Shing-Chow Chan</i>
133	Vehicle Detection under Tough Conditions using Prioritized Feature Extraction with Shadow Recognition <i>Xue-Fei Yang and Wan-Chi Siu</i>
137	Study of Image-Based Expression Recognition Techniques on Three Recent Spontaneous Databases <i>Hayfaa Hussein, Mohsen Naqvi and Jonathon Chambers</i>
138	A Simple and Robust Edge Detection Scheme Based on Coupled Oscillatory Diffusion System <i>Pradipta Roy, Prabir Kumar Biswas and Binoy Kumar Das</i>

Nonlinear SP Room B Chair: Yang Yang 14:30 – 16:00	Paper titles and author names
18	A DFT Enhanced Complex LMS for Digital Adaptive Spur Cancellation <i>Zhe Li, Yili Xia, Wenjiang Pei, Kai Wang and Danilo P. Mandic</i>
20	Online Censoring for Real-time Digital Predistortion Linearization of Power Amplifiers <i>Hongbin Zhu, Xiliang Luo, Hua Qian and Yang Yang</i>
31	Distributed Constrained Consensus Least-Mean Square Algorithms with Adjustable Constraints <i>Yi Yu, Rodrigo C. de Lamare, Yuriy Zakharov and Haiquan Zhao</i>
39	Analysis of an LMS Algorithm for Bilinear Forms <i>Silviu Ciochina, Constantin Paleologu and Jacob Benesty</i>

SS- SP & Control Room C Chair: George Weiss 14:30 – 16:00	Paper titles and author names
37	An Adaptive Parameter Estimator for Unbalanced Three-Phase System <i>Chen Yuan, Long-Ting Huang, Weize Sun and Hing Cheung So</i>
44	Stability analysis for coupled synchronous generators with virtual friction <i>George Weiss and Elad Venezian</i>
66	Stability of Distributed Extended Kalman Filters <i>Sithan Kanna and Danilo Mandic</i>
78	Widely Linear Adaptive Frequency Estimation for Unbalanced Three-Phase Power Systems with Multiple Noisy Measurements <i>Yili Xia, Lulu Qiao, Qi Yang, Wenjiang Pei and Danilo Mandic</i>

SP Theory & Methods Room A Chair: Joaquin Miguez 16:30 – 18:00	Paper titles and author names
57	Design of Sparse Frequency-Response Masking Filters with Arbitrary Delay Using l1-Minimization <i>Qinglai Liu, Yong Ching Lim and Zhiping Lin</i>
125	Variant of Viterbi Algorithm based on p-Norm <i>Gen Hori and Shigeki Sagayama</i>
126	Improving Sparsity in Kernel Adaptive Filters Using a Unit-Norm Dictionary <i>Felipe Tobar</i>
161	Multiple Measurement Vector Compressive Sampling and Fisher Score Feature Selection for fault Classification of Roller Bearings <i>Asoke Nandi</i>
2	A New Hybrid CSE Technique for Multiplier-Less FIR Filter <i>Ila Sharma, A Kumar, G.K. Singh and Lokendra Balyan</i>

SS-Multimodal Bio. SP Room B Chair: Ales Prochazka & Oldrich Vysata 16:30 – 18:00	Paper titles and author names
16	Classification of Motor Imagery BCI Using Multiband Tangent Space Mapping <i>Md Rabiul Islam, Toshihisa Tanaka, Most Sheuli Akter and Md Khademul Islam Molla</i>
50	Adaptive Segmentation of Multimodal Polysomnography Data for Sleep Stages Detection <i>Ales Prochazka, Jiří Kuchyňka, Mohammadreza Yadollahi, Carmen Paz Suárez-Araujo and Oldřich Vyšata</i>
73	Brain Image Completion by Bayesian Tensor Decomposition <i>Lihua Gui, Qibin Zhao and Jianting Cao</i>
87	Unconsciousness State Identification Using Phase Information Extracted by Wavelet and Hilbert Transform <i>Melissa Berthelot, Adrien Witon and Ling Li</i>
120	Multimodal Breathing Analysis in the Evaluation of Physical Load <i>Ales Prochazka, Hana Charvatova, Oldrich Vysata, Pavel Cejnar and Vladimir Marik</i>

SS-Recent Adv. in SIPs Room C Chair: Wei Dai & Yuanta Gu 16:30 – 18:00	Paper titles and author names
109	Rotated Eigenstructure Analysis for Source Localization without Energy-decay Models <i>Junting Chen and Urbashi Mitra</i>
119	Joint-Domain Dictionary Learning-based Error Concealment using Common Space Mapping <i>Ali Akbari, Maria Trocan and Bertrand Granado</i>
148	Sparse Subspace Clustering Using Square-root Penalty <i>Linghang Meng, Xinyue Shen and Yuanta Gu</i>
149	Radar Signal Demixing via Convex Optimization <i>Youye Xie, Shuang Li, Gongguo Tang and Michael Wakin</i>
150	Performance guarantees of spectral methods for passive sensing of multiple channels <i>Kiryung Lee, Ning Tian and Justin Romberg</i>

## Friday, August 25, Morning

Audio & Acoustic SP Room A Chair: Jürgen Peissig 10:30 – 12:30	Paper titles and author names
22	Fast Estimation of 2D Individual HRTFs with Arbitrary Head Movements <i>Song Li and Jürgen Peissig</i>
68	On the Detection of Impulsive and Tonal Events in Passive Acoustics Monitoring <i>Ramón Miralles, Guillermo Lara, Alicia Carrión, Jorge Gosalbez and Ignacio Bosch</i>
70	Consistency of the F0, Jitter, Shimmer and HNR voice parameters in GSM and VOIP communication <i>Anibal Ferreira and Vânia Fernandes</i>
93	Time-Scale and Pitch-Scale Modification by the Phase Vocoder without Occurring the Phase Unwrapping Problem <i>Ryoichi Yoneguchi and Takahiro Murakami</i>
131	Characterising the mechanisms of sound production in odontocetes: a signal modality approach <i>Alicia Carrion, Guillermo Lara, Ramón Miralles, Jorge Gosalbez and Ignacio Bosch</i>
166	Deconvolution of the Glottal Pulse Using a Finite-Difference Solution of the Acoustical Klein-Gordon <i>Hardial Kalsi, Roy Pike and Zoran Cvetkovic</i>

Compressive Sensing Room B Chair: Daniel P. K. Lun 10:30 – 12:30	Paper titles and author names
32	Robust Single-Shot Fringe Pattern Projection for Three-dimensional Measurements <i>Budianto Budianto, Daniel P.K. Lun and Weiping Zhu</i>
136	Combination of Compressed Sensing and the Optimum Interpolation Approximation: Theory and Application for Fast 2D NMR Measurement <i>Yuichi Kida and Takuro Kida</i>
140	Towards Baseline-Independent Analysis of Compressive Sensed Functional Magnetic Resonance Image Data <i>Wattanit Hotrakool and Charith Abhayaratne</i>
85	Joint Sensing Matrix and Sparsifying Dictionary Optimization Applied in Real Image for Compressed Sensing <i>Jiang Qianru, Rodrigo de Lamare, Li Sheng and Bai Huang</i>
54	A Hybrid MRI Method Based on Denoised Compressive Sampling and Detection of Dominant Coefficients <i>Henry Kiragu, Elijah Mwangi and George Kamucha</i>

SS - Multimedia & Security Room C Chair: D. Bhowmik & C. Abhayaratne 10:30 – 12:30	Paper titles and author names
88	Real-Time Selective Encryption Solution based on ROI for MPEG-A Visual Identity Management AF <i>Cyril Bergeron, Naty Sidaty, Wassim Hamidouche, Benoit Boyadjis, Jean Le Feuvre and Youngkwon Lim</i>
92	Graph Spectral Domain Watermarking for Unstructured Data from Sensor Networks <i>Hiba Al-Khafaji and Charith Abhayaratne</i>
104	On the discrimination power of dynamic features for online signature recognition <i>Sandipan Pal, Hisham Al-Assam and Harin Sellahewa</i>
121	The Multimedia Blockchain: A Distributed and Tamper-Proof Media Transaction Framework <i>Deepayan Bhowmik and Tian Feng</i>
63	Design of Smart Video Surveillance System for Indoor and Outdoor Scenes <i>Himanshu Kumar, Saumik Bhattacharya, Sinnu Susan Thomas, Sumana Gupta and K. S. Venkatesh</i>

### Friday, August 25, Afternoon

SS-Time frequency Room A Chair: Ljubisa Stankovic & Ervin Sejdic 14:30 – 16:00	Paper titles and author names
113	Time-Frequency Signal Reconstruction of Nonsparse Audio Signals <i>Isidora Stankovic, Miloš Daković and Cornel Ioana</i>
118	Two-Component Bivariate Signal Decomposition Based on Time-Frequency Analysis <i>Ljubiša Stanković, Miloš Brajović, Miloš Daković and Danilo Mandić</i>
144	Signal Denoising based on Dual Tree Complex Wavelet Transform and Goodness of Fit Test <i>Khuram Naveed, Bisma Shaukat and Naveed Ur Rehman</i>
117	Windowing Methods for Graph Signal Localization <i>Miloš Daković, Ljubisa Stankovic and Ervin Sejdić</i>

Comm. SP & Radar Room B Session Chair: Wei Liu & Chuan Zhang 14:30 – 16:00	Paper titles and author names
51	A Distributed Iterative Transceiver Beamforming Algorithm for Multipair Two-Way Relay Networks <i>Jingxiao Ma and Wei Liu</i>
116	Addressing Security Issues in ADS-B with Robust Two Dimensional Generalized Sidelobe Suppressor <i>Allan Tart and Tõnu Trump</i>
86	Hardware Efficient Detection for Massive MIMO Uplink with Parallel Gauss-Seidel Method <i>Zhizhen Wu, Ye Xue, Xiaohu You and Chuan Zhang</i>
91	Target Detection Based on Turntable-Mounted Synthetic Aperture Radar <i>Chunmei Xu, Yang Li, Qi Liu, Yongming Huang, Haiming Wang and Yili Xia</i>

SS-Deep Learning Room C Chair: Yuexian Zou & Wenwu Wang 14:30 – 16:00	Paper titles and author names
69	A Deep Convolutional Encoder-Decoder Model for Robust Speech Dereverberation <i>Disong Wang, Yuexian Zou and Wei Shi</i>
80	Enhancing speaker verification with short voice commands via autoencoder and phonetic bottleneck learning <i>Yichi Huang and Yuexian Zou</i>
97	Dilated Convolution Neural Network with LeakyReLU for Sound Event Classification <i>Xiaohu Zhang, Yuexian Zou and Wei Shi</i>
114	Enhanced Pedestrian Detection using Deep Learning based Semantic Image Segmentation <i>Tianrui Liu and Tania Stathaki</i>

Image and Med. Image Room A Chair: Zhiping Lin 16:30 – 18:00	Paper titles and author names
67	Permuted Cubes Wavelet Thresholding for Mask-Sensed MRI <i>Sebastian Schmale, Pascal Seidel and Steffen Paul</i>
71	An Improved Image Segmentation Method for Melasma Severity Assessment <i>Yunfeng Liang, Zhiping Lin, Lei Sun, Wee Ser, Feng Lin and Steven Thng</i>
143	Edge-preserving Rain Removal for Light Field Images based on RPCA <i>Cheen-Hau Tan, Jie Chen and Lap-Pui Chau</i>
155	Facial Age Estimation using Zernike Moments and Multi-Layer Perceptron <i>Mohsen Eshghan Malek, Reza Boostani and Zohreh Azimifar</i>

Nonlinear SP Room B Chair: Chuan Zhang 16:30 – 18:00	Paper titles and author names
72	On an RLS-Like LMS Adaptive Filter <i>Thiarnithi Variddhisai and Danilo Mandic</i>
165	The Quaternion Least Mean Magnitude Phase Adaptive Filtering Algorithm <i>Min Xiang, Scott Douglas and Danilo Mandic</i>
11	Fast Algorithm for Multiway Regression <i>Flavio Camarrone and Marc M. Van Hulle</i>