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<th>Date</th>
<th>Monday 17 December</th>
<th>Tuesday 18 December</th>
<th>Wednesday 19 December</th>
<th>Thursday 20 December</th>
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<tbody>
<tr>
<td>09:00</td>
<td>Plenary I: Polynomial Matrix Factorisation Techniques for Multi-Channel Signal</td>
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<td>09:00 Plenary III: Adaptive Learning in Signal Processing: A Set Theoretic Estimation</td>
<td>09:15 EXIT Chart Analysis of Iteratively Detected and SVD-</td>
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<td></td>
<td>Processing, John McWhirter</td>
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<td>Approach, Sergios Theodoridis</td>
<td>assisted MIMO-BICM Multimode Transmission Schemes, Andreas Ahrens, Christoph Lange,</td>
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<td>Steffen Lochmann</td>
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<td>09:45</td>
<td>Some Properties of Laurent Polynomial Matrices, Sylvie Icart, Pierre Comon</td>
<td>09:45 Variational Bayesian smoothing: structured approximations and whole-track</td>
<td>09:45 A deterministic approach for blind multichannel identification and source</td>
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<td></td>
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<td>convergence, Jacqueline Christmas and Richard Everson</td>
<td>estimation, Chengpu Yu</td>
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<td>10:15</td>
<td>Algebraic Solutions for iso-extremal Polynomials on Two Disjoint Intervals,</td>
<td>10:15 Spin noise in magnetic resonance, Timothy Field</td>
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<td>Miroslav Vlcek, Pavel Sovka, Radim Spetik</td>
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<td>10:45</td>
<td>Coffee Break</td>
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<td>11:15</td>
<td>Stochastic Optimization Methods for Hankel Structured Low Rank Approximation,</td>
<td>11:15 Mathematical techniques for class-D amplifiers with negative feedback,</td>
<td>11:15 Chirp-Based Multicarrier Modulation</td>
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<td>Jonathan Gillard and Anatoly Zhigljavsky</td>
<td>Stephen M. Cox</td>
<td>Ahmed A.A. Solymaqn, Stephen Weiss and John J. Soraghan</td>
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<td>Paul Ginzberg, Andrew T. Walden</td>
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<td>Mohamed A. Airmah, Mohamed Nuri Hussin, Mohamed Alramah and Stephen Weiss</td>
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<td>12:15</td>
<td>Fast Dictionary Learning Algorithm via Codeword Clustering and Hierarchical Sparse</td>
<td>12:15 Convolutive speech separation by combining probabilistic models employing the</td>
<td>12:15 On Phase and Randomness in HRIRs, I Kelly and F Boland</td>
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<td>Coding, Tao Xu, Wenwu Wang, Wei Dai</td>
<td>interaural spatial cues and properties of the room assisted by vision,</td>
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<td>Muhammad Salman Khan, Ata-ur-Rehman, Syed Mohsen Naqvi, and Jonathan A. Chambers</td>
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<td>12:45</td>
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<td>Conference End</td>
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<td>13:30</td>
<td>Registration</td>
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<td>14:00</td>
<td>Tutorial I: Sparse Sampling, Pier Luigi Dragotti</td>
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<td>14:00</td>
<td>Plenary II: Biomedical Signal Processing, Jim Reilly</td>
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<td>Plenary IV: Sonar Signal Processing, Paul White</td>
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<td>14:45</td>
<td>Sparseness Constrained Tensor Factorization Algorithm for Dictionary Learning over High-Dimensional Space, Syed Zubair, Wei Dai, Wenwu Wang</td>
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<td>14:45</td>
<td>Multiresolution Markov Random Field Wavelet Shrinkage for Ripple Suppression in Sonar Imagery, J. D. B. Nelson and N. G. Kingsbury</td>
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<td>15:15</td>
<td>Compressing Resolution Spectral Sensing Compressive, Isabel M. Duarte, José M. N. Vieira, Paulo J. S.G. Ferreira</td>
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<td>15:15</td>
<td>Multistatic Doppler Radar Detection in Coloured Gaussian Interference, Bogomil Shtarkalev and Bernard Mulgrew</td>
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<td>15:45</td>
<td>Afternoon Break</td>
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<td>15:45- 17:00</td>
<td>Coffee &amp; Posters</td>
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<td>16:00- 17:45</td>
<td>Tutorial II: Music Signal Processing, Mark Plumbley, Queen Mary, University of London, UK</td>
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<td>16:00- 17:45</td>
<td>New Sixth-Order Iterative Method Solving For Nonlinear Equations Waseem Asghar Khan</td>
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<td>16:00- 17:45</td>
<td>Adaptive Crosstalk-Resistant Noise Cancellation Using Kalman Filters T.J.Moir</td>
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<td>16:00- 17:45</td>
<td>Sleep Spindles Detection: Series and Parallel Combination of Algorithms J Costa, M Ortigueira, A Batista, T Paiva</td>
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<td>16:00- 17:45</td>
<td>A Scale-Adaptive Threshold for Image De-noising in Wavelet Domain, Hui Wang, Zexun Geng, Haiyang Wu, Yong Zhang</td>
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<td>16:00- 17:45</td>
<td>Comparative Study of Several Approaches for Removal of Baseline Wander from ECG Signal, KROUCHI ELKEURTI Ghizlaine, DJEBBAR Bachir</td>
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<td>16:00- 17:45</td>
<td>Robust adaptive beamforming by decorrelation of source envelopes, John E Hudson</td>
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<td>16:00- 17:45</td>
<td>Invariance and Periodic Oversampling in principal shift-invariant spaces, Kil H. Kwon and Dae G. Lee</td>
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<td>16:00- 17:45</td>
<td>On the First-Passage Time problem for gamma Processes, Fernando Ramos-Alarcon and Valeri Kontorovich</td>
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<td>16:00- 17:45</td>
<td>A novel unsupervised computer vision based fall detection system for monitoring an elderly person in a home care application, Adel Rhuma, Miao Yu, and Jonathon A. Chambers</td>
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<td>16:00- 17:45</td>
<td>Visual Based Reference for Enhanced Audio-Video Source Extraction, Jack Harris, Syed Mohsen Naqvi, Bertrand Rivet, Jonathon Chambers, Christian Jutten</td>
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<td>16:00- 17:45</td>
<td>Spontaneous Expression Classification In The Encrypted Domain, Segun Aina, Yogachandran Rahulamathavan, Raphael C.- W. Phan, Jonathon A. Chambers</td>
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<td>16:00- 17:45</td>
<td>Efficient Matching Pursuit Reconstruction Algorithm for Harmonic Signals in Compressive Sensing, Bashar I. Ahmad, Wei Dai and Cong Ling</td>
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<td>16:00- 17:45</td>
<td>Signal Processing Issues of High Dimensional Visual Informatics, Xueting Wang, Anna Hine, David Lowe</td>
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<td>16:00- 17:45</td>
<td>Power efficient spectrum sensing for mobile nodes in ad-hoc wireless sensor networks, Marnix Heskamp and Cornelis H. Slump</td>
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<td>Title</td>
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<td>A study of IIR adaptive notch filtering structures for tracking multiple sinusoidal signals, Paul T. Wheeler and Jonathon A. Chambers</td>
<td>Signal Extraction and Enhancement in the Presence of Noise using Signal Subspace Techniques, S.G. Jacob</td>
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<td>Sparse Image Representation by Interactive Blocks Greedy Strategy, Shabnam Bibi and Laura Rebollo-Neira</td>
<td>A generic half-quadratic algorithm for signal reconstruction, Marc C. Robini</td>
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<td>Weighted MCMC-PF based head tracking in a room environment, Ata-ur-Rehman, Syed Mohsen Naqvi, Raphael Phan, Jonathon A. Chambers</td>
<td>Design of polynomial-based digital interpolation filters based on Chebyshev polynomials, Djordje Babic</td>
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<td>Virtual MIMO implementation for dynamic WBAN in sleep apnoea monitoring systems, Abdur Rahim and Nemai Chandra Karmakar</td>
<td>Distributed Closed-loop EO-STBC for a Time-Varying relay channel Based on Kalman Tracking, Mohamed Nuri Hussin, Mohamed Alramah and Stephen Weiss</td>
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<td>Alamouti transmit diversity scheme for WBAN in sleep apnoea monitoring and its implementation using FPGA, Abdur Rahim, Nemai Chandra Karmakar</td>
<td>Analysis of Synthetic Surface Electromyography Signals (sEMG) Using Cubic Spline Based Empirical Mode Decomposition Method, G. Venugopal and S. Ramakrishnan</td>
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<td>17:00 – 18:00 Drinks reception</td>
<td>19:30 Conference Dinner at Hilton Garden Inn</td>
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