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MULTIDISCIPLINARY APPLICATIONS OF STATISTICAL SIGNAL PROCESSING

Session Organiser & Chairman: R.C.Papademetriou, Dept. of EEE, University of Portsmouth, UK

- [1] **Parameterized wavelet architectures for image processing**, A. Bouridane, Queen's University of Belfast, UK
- [2] **Statistical models for multidisciplinary applications of image segmentation and labelling**, J.Cornelis et al, Frije Universiteit Brussel, BELGIUM
- [3] **The role of statistical signal processing for enhancement of speech**, P. Handel, Royal Institute of Technology, Stockholm, SWEDEN
- [4] **MR image reconstruction from sparsely sampled scans based on efficient multilayer perceptrons architectures**, D.A. Karras (Univ. of Piraeus, GREECE), M.Reczko and B.G.Mertzios (Democritus Univ. of Thrace, GREECE), D.Graveron-Demilly (Univ. Lyon, FRANCE), D. van Ormondt (Delft Univ. of Tech., THE NETHERLANDS)
- [5] **A robust near-far resistant multi-user array receiver for asynchronous DS-CDMA**, A. Manikas and C.Beck, Imperial College, London, UK
- [6] **Information-theoretic reconstruction of moment-coded grey-scale images**, R.C.Papademetriou (Univ. of Portsmouth, UK) and D.A.Karras (Univ. of Piraeus, GREECE)
- [7] **Applications of statistical signal processing in image data compression**, P. Stavroulakis et al, Telecommunication Systems Institute of Crete (TSI), Chania, GREECE (*keynote paper*)
- [8] **An information-based measure of statistical association for non-gaussian signals**, W.Szajnowski, University of Surrey, UK