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Jan Larsen**  
*Editors*

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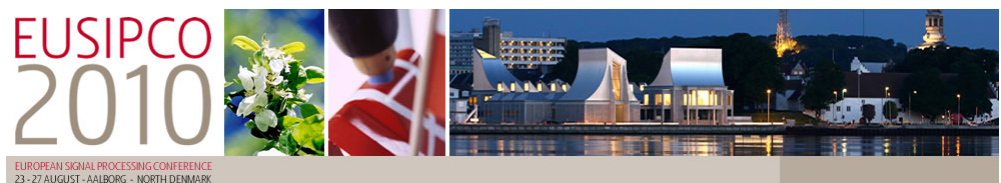
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Jean-Loïc Rose (Liris, CNRS UMR5205, France); Chantal Muller (CREATIS, CNRS UMR 5220, Inserm U 630, France); Thomas Grenier (CREATIS, CNRS UMR 5220, Inserm U 630, France); Christophe Odet (CREATIS, CNRS UMR 5515, Inserm U 630, France)  
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Shahjahan Shahid (University of Ulster, United Kingdom); Rakesh Sinha (University of Ulster, United Kingdom); Girijesh Prasad (University of Ulster, United Kingdom)

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Dalal Ait allal (University of Orleans, France); Rodolphe Weber (University of Orleans, France); Cedric Dumez-Viou (CNRS / Obs. de Paris, France); Ismaël Cognard (Laboratoire de Physique et Chimie de l'Environnement et de l'Espace, France); Gilles Theureau (Laboratoire de Physique et Chimie de l'Environnement et de l'Espace, France)

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Cheung Fat Chan (City University of Hong Kong, Hong Kong); Yu Eric (Hong Kong Applied Science and Technology Research Institute, Hong Kong)

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Yoshinao Ito (Aichi Prefectural University, Japan); Akitoshi Itai (Aichi Prefectural University, Japan); Hiroshi Yasukawa (Aichi Prefectural University, Japan); Ichi Takumi (Nagoya Institute of Technology, Japan); Masayasu Hata (Chubu University, Japan)

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Marius V Ghiurcau (Technical University of Cluj-Napoca, Romania); Corneliu Rusu (Technical University of Cluj-Napoca, Romania); Jaakko Astola (Tampere University of Technology, Finland); Radu Ciprian Bilcu (Nokia Research Center, Finland)  
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Gonzalo Vaca-Castano (University of Puerto Rico, Puerto Rico); Domingo A. Rodriguez (University of Puerto Rico at Mayaguez, Puerto Rico); Kejie Lu (University of Puerto Rico at Mayaguez, Puerto Rico)  
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Soo-Chang Pei (National Taiwan University, Taiwan); Jian-Jiun Ding (Department of Electrical Engineering, National Taiwan University, Taiwan); Kuo-Wei Chang (National Taiwan University, Taiwan)  
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Dushyant Sharma (Imperial College London, United Kingdom); Gaston Hilkhuisen (University College London, United Kingdom); Nikolay D Gaubitch (Imperial College London, United Kingdom); Patrick A Naylor (Imperial College London, United Kingdom); Mike Brookes (Imperial College London, United Kingdom); Mark Huckvale (University College London, United Kingdom)  
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**A coherence-based algorithm for noise reduction in dual-microphone applications**

Nima Yousefian (University of Texas at Dallas, USA); Kostas Kokkinakis (University of Texas at Dallas, USA); Philipos Loizou (University of Texas, USA)  
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**Speech intelligibility of ideal binary masked mixtures**

Ulrik Kjems (Oticon A/S, Denmark); Michael Syskind Pedersen (Oticon, Denmark); Jesper Boldt (Oticon A/S, Denmark); Thomas Lunner (Oticon Research Centre Eriksholm, Denmark); DeLiang Wang (Ohio State University, USA)  
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**Signal properties reducing intelligibility of speech after noise**

Gaston Hilkhuisen (University College London, United Kingdom); Mark Huckvale (University College London, United Kingdom)  
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**Near End Listening Enhancement Optimized with Respect to Speech Intelligibility Index and Audio Power Limitations**

Bastian Sauert (RWTH Aachen University, Germany); Peter Vary (RWTH Aachen University, Germany)  
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**Achievable maximum-directivity beamforming for spherical microphone arrays with random array errors**

Haohai Sun (Norwegian University of Science and Technology, Norway)  
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Bob L Sturm (Aalborg University Copenhagen, Denmark); Guillaume Defrance (University of Sheffield, United Kingdom)  
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**Phase Approximation of Linear Geometry Driving Functions for Sound Field Synthesis**

Paolo Peretti (Università Politecnica delle Marche, Italy); Laura Romoli (Università Politecnica delle Marche, Italy); Stefania Cecchi (Università Politecnica delle Marche, Italy); Lorenzo Palestini (Università Politecnica delle Marche, Italy); Francesco Piazza (Università Politecnica delle Marche, Italy)

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Liang Wang (Nanyang Technological University, Singapore); Andy W. H. Khong (Nanyang Technological University, Singapore); Woon Seng Gan (Nanyang Technological University, Singapore)

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**Beamforming of Circular Microphone Array with Sound Absorbent Cylinder**

Ying Song (Institute for infocomm research, Singapore)

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**A QRD-RLS based frequency domain multichannel Wiener filter algorithm for noise reduction in hearing aids**

Bram Cornelis (Katholieke Universiteit Leuven, Belgium); Marc Moonen (Katholieke Universiteit Leuven, Belgium); Jan Wouters (Katholieke Universiteit Leuven, Belgium)

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**Sound propagation direction control using three configurations of two-dimensional loudspeaker arrays**

Yasuharu Hashimoto (University of Tsukuba, Japan); Masahiko Mikawa (University of Tsukuba, Japan); Kazuyo Tanaka (University of Tsukuba, Japan)

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**Simplified Optimal Line Selection for Acoustic Localization in the Presence of Reverberation**

Albenzio Cirillo (University of Rome 'Sapienza', Italy); Raffaele Parisi (University of Rome La Sapienza, Italy); Michele Scarpiniti (University of Rome "La Sapienza", Italy); Aurelio Uncini (University of Rome "La Sapienza", Italy)

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Finnian Kelly (Trinity College Dublin, Ireland); Naomi Harte (Trinity College Dublin, Ireland)

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**Comparison of Noise Robust Methods in Large Vocabulary Speech Recognition**

Sami Keronen (Aalto University, Finland); Ulpu Remes (Helsinki University of Technology, Finland); Kalle Palomäki (Helsinki University of Technology, Finland); Tuomas Virtanen (Tampere University of Technology, Finland); Mikko Kurimo (HUT, Finland)

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**Improved Speech Recognition in Noisy Environments by Using a Throat Microphone for Accurate Voicing Detection**

Tomas Dekens (Vrije Universiteit Brussel, Belgium); Werner Verhelst (Vrije Universiteit Brussel, Belgium); François Capman (Thales Communications, France); Frédéric Beaugendre (Voice Insight, Belgium)

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Roland Maas (University of Erlangen-Nuremberg, Germany); Armin Sehr (University of Erlangen-Nuremberg, Germany); Martin Gugat (University of Erlangen-Nuremberg, Germany); Walter Kellermann (University Erlangen-Nuremberg, Germany)  
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### **Robust Isolated Speech Recognition Using Binary Masks**

Seliz Karadogan (Technical University of Denmark, Denmark); Jan Larsen (Technical University of Denmark, Denmark); Michael Syskind Pedersen (Oticon, Denmark); Jesper Boldt (Oticon A/S, Denmark)  
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### **A GMM-Supervector Approach to Language Recognition with Adaptive Relevance Factor**

Changhuai You (Institute for Infocomm Research, Singapore); Haizhou Li (Institute for Infocomm Research, Singapore); Kong-Aik Lee (Institute for Infocomm Research, Singapore)  
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### **Class-specific classifiers in Audio-Visual Speech Recognition**

Virginia Estellers (Ecole Polytechnique Federale de Lausanne, Switzerland); Paul M Bagginstoss (Naval Undersea Warfare Center, Newport, RI, USA); Jean-Philippe Thiran (Swiss Federal Institute of Technology (EPFL), Switzerland)  
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Gang Liu (University of Texas at Dallas, USA); Yun Lei (University of Texas at Dallas, USA); John Hansen (University of Texas at Dallas, USA)  
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### **Improving Posterior Based Confidence Measures Using Enhanced Local Posteriors**

Hamed Ketabdar (Deutsche Telekom Laboratories, TU Berlin, Germany)  
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Stefania Colonnese (Università "La Sapienza" di Roma, Italy); Nicolás Herrero (Telefónica Research, Spain); Lorenzo Rossi (Sapienza University of Rome, Italy); Gaetano Scarano (Università "La Sapienza" di Roma, Italy)  
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Adel Ahmadi (Shahid Bahonar University of Kerman, Iran); Hojjat Salehinejad (Shahid

Bahonar University of Kerman, Iran); Siamak Talebi (Shahid Bahonar University of Kerman, Iran); Faroukh Koroupi (Azad Univ, Iran)  
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Rudi Primorac (Technion-Israel Institute of Technology, Israel); Moshe Porat (Technion, Israel)  
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**Toward Optimal Video Transcoding**

Ora Gendler (Technion, Israel); Moshe Porat (Technion, Israel)  
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Clément Strauss (IETR / INSA Rennes, France); François Pasteau (IETR / INSA Rennes, France); Marie Babel (IETR / INSA Rennes, France); Olivier Deforges (IETR / INSA Rennes, France); Laurent Bedat (IETR / INSA Rennes, France)  
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