

### **Reduced-complexity digital predistortion for massive MIMO**

Abdelaziz, M., Anttila, L. & Valkama, M., 16 Jun 2017, *2017 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2017 - Proceedings*. IEEE, p. 6478-6482 5 p.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

### **Multichannel Sound Event Detection Using 3D Convolutional Neural Networks for Learning Inter-channel Features**

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### **Adaptive spatial resolution selection for stereoscopic video compression with MV-HEVC: A frequency based approach**

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### **Shearlet Transform-Based Light Field Compression under Low Bitrates**

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Research output: Contribution to journal > Article > Scientific > peer-review

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### **Glance awareness and gaze interaction in smartwatches**

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### **Thin form-factor super multiview head-up display system**

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Alam, M. H., Ha, J. W. & Lee, S. K., 2012, In : *Knowledge and Information Systems*. 33, 3, p. 707-734 28 p.

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### **The FitOptiVis ECSEL Project: Highly Efficient Distributed Embedded Image/Video Processing in Cyber-Physical Systems Invited Paper**

Al-Ars, Z., Basten, T., Beer, A., Geilen, M., Goswami, D., Jääskeläinen, P., Kadlec, J., Alejandro, M. M., Palumbo, F., Peeren, G., Pomante, L., Linden, F. V., Saarinen, J., Sääntti, T., Sau, C. & Zedda, M. K., 30 Apr 2019, *ACM International Conference on Computing Frontiers 2019, CF 2019 - Proceedings*. ACM, p. 333-338 6 p.

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### **Memory Tampering Attack on Binary GCD Based Inversion Algorithms**

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#### **On the Secrecy Capacity of Fisher-Snedecor F Fading Channels**

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### **Color game: A collaborative social robotic game for icebreaking; Towards the design of robotic ambiances as part of smart building services**

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#### **2nd international workshop on pervasive eye tracking and mobile eye-based interaction (PETMEI 2012): Proposal for a workshop (mini-track) at UbiComp 2012**

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#### **The Finnish you – An interactive storytelling application for an airport environment**

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#### **End-to-End Polyphonic Sound Event Detection Using Convolutional Recurrent Neural Networks with Learned Time-Frequency Representation Input**

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#### **Process configuration framework tool**

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#### **Detection of Typical Pronunciation Errors in Non-native English Speech Using Convolutional Recurrent Neural Networks**

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#### **Subjective evaluation of Super Multi-View compressed contents on high-end light-field 3D displays**

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#### **Low-complexity robust DOA estimation**

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#### **Analytical model in discrete time for cross-layer video communication over LTE**

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#### **BM3D-HVS: Content-Adaptive denoising for improved visual quality**

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#### **Statistical Evaluation of Visual Quality Metrics for Image Denoising**

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#### **Guest editorial**

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