

## CEA LIST 2014 scientific articles AMBIENT INTELLIGENCE

### **Conference**

Bahria, M.; Olivereau, A. & Boudguiga, A.

A hybrid threat detection and security adaptation system for industrial wireless sensor networks

*Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, Springer Verlag, **2014**, 8221 LNCS, 158-162

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### **Article**

Ben Saied, Y.; Olivereau, A.; Zeghlache, D. & Laurent, M.

A survey of collaborative services and security-related issues in modern wireless Ad-Hoc communications

*Journal of Network and Computer Applications*, Academic Press, **2014**, 45, 215-227

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### **Book**

Chan-Hon-Tong, A.; Achard, C. c. & Lucat, L.

Simultaneous segmentation and classification of human actions in video streams using deeply optimized Hough transform

*Pattern Recognition*, Elsevier Ltd, **2014**, 47, 3807-3818

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Fard, H. b.; Chaouch, M.; Pham, Q.-C.; Vacavant, A. & Chateau, T.

Joint learning for multi-class object detection

*VISAPP 2014 - Proceedings of the 9th International Conference on Computer Vision Theory and Applications*, SciTePress, **2014**, 2, 104-112

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Fard, H. c.; Chaouch, M.; Pham, Q.-C.; Vacavant, A. & Chateau, T.

Joint hierarchical learning for efficient multi-class object detection

*2014 IEEE Winter Conference on Applications of Computer Vision, WACV 2014, IEEE Computer Society*, **2014**, 261-268

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Gadeski, E.; Fard, H. & Le Borgne, H.

GPU deformable part model for object recognition

*Journal of Real-Time Image Processing*, **2014**

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Hudin, C. b.; Lozada, J. & Hayward, V.

Spatial, temporal, and thermal contributions to focusing contrast by time reversal in a cavity

*Journal of Sound and Vibration*, **2014**, 333, 1818-1832

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### **Article**

Imadali, S.; Kaiser, A.; Sivrikaya, F.; El Sayed, N.; Boc, M.; Klaudel, W.; Petrescu, A. & Veque, V.

A review of network mobility protocols for fully electrical vehicles services

*IEEE Intelligent Transportation Systems Magazine, Institute of Electrical and Electronics Engineers*, **2014**, 6, 80-95

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#### **Conference**

Ionescu, B.; Radu, A.-L.; Menéndez, M.; Müller, H.; Popescu, A. & Loni, B.

Div400: A social image retrieval result diversification dataset

*Proceedings of the 5th ACM Multimedia Systems Conference, MMSys 2014, Association for Computing Machinery*, **2014**, 29-34

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#### **Conference**

Kamoun, M.

False positive acknowledgement for cooperative small cell assisted Hybrid ARQ

*2014 IEEE International Conference on Communications Workshops, ICC 2014, IEEE Computer Society*, **2014**, 635-640

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#### **Conference**

Le Gall, Y. & Bolzmacher, C.

Design and characterization of a multi-stable magnetic shape memory alloy hybrid actuator

*Microsystem Technologies, Springer Verlag*, **2014**, 20, 533-543

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#### **Conference**

Morgand, A. & Tamaazousti, M.

Generic and real-time detection of specular reflections in images

*VISAPP 2014 - Proceedings of the 9th International Conference on Computer Vision Theory and Applications, SciTePress*, **2014**, 1, 274-282

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#### **Article**

Pössinger, T.; Bolzmacher, C.; Bodelot, L. & Triantafyllidis, N.

Influence of interfacial adhesion on the mechanical response of magneto-rheological elastomers at high strain

*Microsystem Technologies, Springer Verlag*, **2014**, 20, 803-814

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#### **Conference**

Paillet, P.; Audigier, R.; Lerasle, F. c. & Pham, Q.-C.

Perception-prediction-control architecture for IP Pan-Tilt-Zoom camera through interacting multiple models

*VISAPP 2014 - Proceedings of the 9th International Conference on Computer Vision Theory and Applications, SciTePress*, **2014**, 3, 314-324

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#### **Conference**

Panëels, S.; Le Morellec, F. & Anastassova, M.

"Smiles, kids, happy songs!": How to collect metaphors with older adults

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A case study on sensors and techniques for pedestrian inertial navigation

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Pradet, Q.; de Chalendar, G. & Baguenier-Desormeaux, J.

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*GWC 2014: Proceedings of the 7th Global Wordnet Conference, Tartu Ulikool / University of Tartu, 2014, 32-39*

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### **Conference**

Rossa, C.; Eck, L.; Micaelli, A. & Lozada, J.

On a novel torque detection technique for magnetorheological actuators

*IEEE Sensors Journal, 2014, 14, 1223-1231*

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*Computer Networks, Elsevier, 2014, 64, 273-295*

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### **Article**

Sarkiss, M. & Kamoun, M.

On the energy efficiency of base station cooperation under limited backhaul capacity

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### **Article**

Serret, S.; Hun, S.; Iakimova, G.; Lozada, J.; Anastassova, M.; Santos, A.; Vesperini, S. & Askenazy, F.

Facing the challenge of teaching emotions to individuals with low- and high-functioning autism using a new

Serious game: A pilot study

*Molecular Autism, BioMed Central Ltd., 2014, 5*

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Smirani, S.; Kamoun, M.; Sarkiss, M.; Zaidi, A. & Duhamel, P.

Achievable rate regions for two-way relay channel using nested lattice coding

*IEEE Transactions on Wireless Communications, Institute of Electrical and Electronics Engineers Inc.*, **2014**, 13, 5607-5620

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Todorov, K.; Hudelot, C.; Popescu, A. & Geibel, P.

Fuzzy ontology alignment using background knowledge

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*Review of Scientific Instruments, American Institute of Physics Inc.*, **2014**, 85

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*Progress in Biomedical Optics and Imaging - Proceedings of SPIE, SPIE*, **2014**, 8939

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Germline genetic variations at 11q13 and 12p11 locus modulate age at onset for renal cell carcinoma

*Journal of Urology*, **2014**, 191, 487-492

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Barré, A. b.; Suard, F.; Gérard, M.; Montaru, M. & Riu, D.

Statistical analysis for understanding and predicting battery degradations in real-life electric vehicle use

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Distinctive glial and neuronal interfacing on nanocrystalline diamond

*PLoS ONE, Public Library of Science*, **2014**, *9*

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A nonlinear semantic-preserving projection approach to visualize multivariate periodical time series

*IEEE Transactions on Neural Networks and Learning Systems, Institute of Electrical and Electronics Engineers Inc.*, **2014**, *25*, 1053-1070

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Distributed temperature monitoring for liquid sodium leakage detection using OFDR-based Rayleigh backscattering

*Proceedings of SPIE - The International Society for Optical Engineering, SPIE*, **2014**, *9157*

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Electronic and physico-chemical properties of nanometric boron delta-doped diamond structures

*Journal of Applied Physics, American Institute of Physics Inc.*, **2014**, *116*

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### **Conference**

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Direct identification of clinically relevant bacterial and yeast microcolonies and macrocolonies on solid culture media by Raman spectroscopy

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### **Conference**

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HÃ©bert, C.; Mazellier, J.; Scorsone, E.; Mermoux, M. & Bergonzo, P.

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### **Article**

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