

LIS

Laboratoire d'ingénierie des systèmes de Vers

CONFÉRENCES INTERNATIONALES 2015 - 2019

Conférences internationales avec comité de lecture et actes 2015 - 2019

2019

Q.Cabannes, B.Senouci. A.Ramdane-Cherif, Multi-CPU/FPGA-based Design and Prototyping Methodology for Autonomous Vehicles: Multiple Objects Detection and Recognition Case Study”, IEEE International Conference on Artificial Intelligence in Information and Communication, February 11-13, Okinawa, Japan, 2019.

Ismahan Mahdi, Bouchra nadjji, Amar Ramdane-Cherif and Zineb Simeu Abazi, Reliability Assessment Using Stochastic-Coloured Petri Nets S-CPN for Solar Energy Dedicated Systems, International Conference on Advanced Electrical Engineering (ICAEE), november, 19-21, Algiers, Algeria, 2019.

Isma Boudouane, Amina Makhlouf, Nadia Saadia and Amar Ramdane-Cherif, Wearable Camera for Fall Detection Embedded System, in SCA2019: The Fourth International Conference on Smart City Applications, Casablanca, Morocco, October 2019.

Manolo Dulva Hina, Assia Soukane, and Amar Ramdane-Cherif, "Machine Learning Techniques for Cognition of Driving Context", MED 2019, 27th Mediterranean Conference on Control and Automation, Akko, Israel, 1-4 July 2019.

C. Beguni, S-A. Avtmniei, A-M. Cailean, E. Zadobrischi, M. Dimian, H. Guan and L. Chassagne, Toward a mixed visible light communications and ranging system for automotive applications, The 6th International Symposium on Electrical and Electronics Engineering, ISEEE 2019 (Galati – Romania), October 2019.

M. Mohammedi Merah, H. Guan, L. Chassagne, Experimental comparison of Multi-users access schemes with Multiband CAP, 2nd Global LiFi Congress (Paris – France), June 2019.

C-J. Peng, F. Ribeiro, C. Plesse, S-J. Chen, L Chassagne, B. Cagneau, Electrical behavior of a self-sensing actuator made of electroactive polymers, IEEE International Conference on soft Robotics, Robotsoft 2019 (Seoul – Korea), April 2019.

Khaled F., Guillou S., Méar Y., Hadri F. (2019), Numerical modelling of the effect of the hydrokinetic turbines on the transport of sediments - Application to the Rhône site, MATEC Web of Conferences, DOI: 10.1051/mateconf/201926105003.

Khaled F., Guillou S., Méar Y. and Hadri F., Numerical modelling of the impact of hydrokinetic turbine on the morphology of the near sandy bed, 13th European Wave and Tidal Energy Conference Proceeding, Naple, 1-6 sept. 2019, 8p.

Charafeddine, J., Chevallier, S., Khalil, M., Pradon, D., & Alfayad, S. (2019, October). Neuromotor Strategy of Gait Rehabilitation for Lower-Limb Spasticity. In International Conference on Advances in Biomedical Engineering (ICABME).

Charafeddine, J., Pradon, D., Alfayad, S., Chevallier, S., & Khalil, M. (2019). Toward bio-kinematic for secure use of rehabilitation exoskeleton. Computer Methods in Biomechanics and Biomedical Engineering, 22(sup1), S424-S426.

A. Alaoui-Belghiti, S. Chevallier, & E. Monacelli , "Unsupervised Anomaly Detection Using Optimal Transport for Predictive Maintenance". In International Conference on Artificial Neural Networks (pp. 686-697). Springer, Cham 2019.

M. Hafsia, Y. Ouarti, L. Ducoulombier, E. Monacelli & H. Martin, "Assessing the cognitive load of a tower crane operator's workstation using virtual reality and electroencephalography: a methodological overview ", Conference CONVR 2019, 13-15 November 2019, Bangkok, Thailand.

F. Pouvrasseau, S. Charles, E. Monacelli, F. Routhier, B. Malafosse ", Evaluation posturale sur fauteuil roulant : Évaluation de faisabilité de la plateformeVirtual Fauteuil", 26ème congrès de la Société Francophone Posture, Équilibre et Locomotion (SOFPEL), 4 et 5 décembre 2019, Montréal (Québec), SOFPEL 2019.

T. Tagnithammou, A. Fersztrowski, L. Trénoras, E. Monacelli, Stress detection of human using heart rate variability analysis based on low cost camera, Twelfth International Conference on Advances in Computer-Human Interactions (ACHI 2019), Feb. 24-28, 2019 - Athens, Greece.

F. Pouvrasseau, S. Charles, E. Monacelli, A first postural tracking using a kinect v2 sensor during an immersive wheelchair driving simulation, Twelfth International Conference on Advances in Computer-Human Interactions (ACHI 2019), February 24-28, 2019 - Athens, Greece.

2018

Houda Chihi, Rafik Zitouni, Ridha Bouallegue, Amar Ramdane Cherif, Latency Aware Into LTE-V2X Mode 4 System, International IEEE Conference on signal-image technologies and internet based system, 26-29 November - Las Palmas de Gran Canaria, Spain, 2018.

Abdallah Moujahid, Manolo Dulva Hina, Mounir El Araki Tantaoui, Ahmed El Khadimi, Andrea Ortalda, Amar Ramdane-Cherif, "Machine Learning Techniques in ADAS: A Review", ICACCE 2018, 4th IEEE International Conference on Advances in Computing and Communication Engineering, Paris, France, 22 – 23 June 2018.

Ortalda, A. Moujahid, M. D. Hina, A. Soukane, A. Ramdane-Cherif, "Safe Driving Mechanism: Detection, Recognition and Avoidance of Road Obstacles", KEOD 2018,

10th International Conference on Knowledge Engineering and Ontology Development, Seville, Spain, 18-20 September 2018.

Manolo Dulva Hina, Assia Soukane, Amar Ramdane-Cherif and Galina Ivanova, "Robotic Interaction for Assistance to Autistic Children", CompSysTech 2018, 13-14 September 2018, University of Ruse, Bulgaria ((the best paper Award)).

E. Mancaruso, L. Sequino, B.M. Vaglieco, F. Maroteaux. Experimental measurements of piston temperature and heat flux in engine at transient conditions. THIESEL Thermo and Fluid Dynamic processes in Diesel Engines Conference. September 2018, Valence - Spain.

J.C.Valencia - Estrada, J.Garcia Marquez, S. Topsu, L. Chassagne, Optical antenna for a visible light communications receiver, SPIE Photonics West 2018 (San Francisco – United States).

M. Mohammedi Merah, L. Chassagne, H. Guan, Performance and Flexibility Optimization in Multi-user Multiband Carrierless Amplitude and Phase modulation for Visible Light Communication, 1st Global LiFi Congress, February 2018 (Paris – France).

B. Béchadergue, L. Chassagne, H. Guan, Suitability of Visible Light Communication for Platooning Applications: an Experimental Study, 1st Global LiFi Congress, February 2018 (Paris – France).

H. Guan, D. Jutras, Z. Guo, Secured and Green Data Processing and Transmission in a Human - Vehicle Interaction ADAS System, 1st Global LiFi Congress, February 2018 (Paris – France).

Chevallier, S., Bao, G., Hammami, M., Marlats, F., Mayaud, L., Annane, D., Lofaso, F. & Azabou, E. (2018, October). Brain-machine interface for mechanical ventilation using respiratory-related evoked potential. In International Conference on Artificial Neural Networks (pp. 662-671). Springer, Cham.

Kalunga, E. K., Chevallier, S., & Barthélemy, Q. (2018, September). Transfer learning for SSVEP-based BCI using Riemannian similarities between users. In 2018 26th European Signal Processing Conference (EUSIPCO) (pp. 1685-1689). IEEE.

Azabou, E., Bao, G., Chevallier, S., Marlats, F., Bussel, B., Mayaud, L., Prigent, H., Petitjean, H. & Lofaso, F. (2018). Supra-threshold inspiratory loads elicit respiratory related evoked potentials in healthy subjects. *Neurophysiologie Clinique*, 48(4), 221.

R. Cisneros, M. Benallegue, A. Benallegue, M. Morisawa, H. Audren, P. Gergondet, A. Escande, A. Kheddar, F. Kanehiro, Robust humanoid control using a QP solver with integral gains, *IEEE Int. Conference on Intelligent Robots and Systems (IROS'2018)*, Oct 2018, Madrid, Spain.

E. Monacelli, F. Pouvrasseau, S. Charles, Adaptive serious game to user needs for learning wheelchair use on simulator, *12th International Society of Physical and Rehabilitation Medicine World Congress (ISPRM Paris 2018)*.

M. Hafsia, E. Monacelli, O. Rabreau, Virtual reality simulator for construction workers' musculoskeletal disorders prevention, *18th Int. Conf. on Construction Applications of Virtual Reality (CONVR)*, (Auckland, New Zealand, Nov 2018).

F. Khaled, F. HAdri, S. Guillou, Y. Mear, Impact of Tidal Stream Turbines on the near sedimentary bed by using a Two-phase modelling CFD approach, *6th International Conference on Estuaries and Coasts*, (France 2018).

R. Jeridi, Ja. Ghommam, A. Benali, Design of a parallel mechanism as an assistance tool for thorax orientation, accepted in *Conférence IEEE 15th international Multi - Conference on Signal, Systems (SSD)*, Tunisia (2018).

N. Hedjazi, H. Kharboutly, A. Benali, PCA-Based selection of distinctive stability criteria and classification of post - stroke pathological postural behaviour, accepted in *Australasian Physical & Engineering Sciences in Medecine* (2018).

Manolo Dulva Hina, Assia Soukane and Amar Ramdane - Cherif, « Learning and Optimization for a Driving Assistance System », *ASD 2018*, 12th edition of the Conference on Advances of Decisional Systems, (2-3 May 2018, Marrakech, Morocco).

Manolo Dulva Hina, Sebastien Dourlens, Assia Soukane and Amar Ramdane - Cherif, "Signal Processing, Control and Coordination in an Intelligent Connected Vehicle", *AfricaTek 2018*, 2nd EAI International Conference on Emerging Technologies for Developing Countries, (29–30 May 2018, Cotonou, Benin).

Omar Adjali, Amar Ramdane-Cherif, High-level MLN based approach for spatial context disambiguation, accepted for the 2018 IEEE International Conference on Robotics and Automation, (May 21-25, 2018, Brisbane, Australie).

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V.N. Le, L. Benabou, Q.B. Tao, Micromechanical model for describing intergranular fatigue cracking in an innovative solder alloy. Proceedings of the 4th Congrès International de Géotechnique, Ho Chi Minh City, Vietnam, 2017.

X. Wang, L. Benabou, Simulation of lowtemperature sintering bonding for optics using silver particles. International Conference on Computational Modeling of Complex Materials across the Scales, ECCOMAS, Paris, France, 2017.

K.T. Nguyen, L. Benabou, S. Alfayad, Systematic review of prosthetic socket fabrication using 3D printing. 2nd International Conference on Mechanical Engineering and Robotics Research, Paris, France, 2017.

Q.B. Tao, L. Benabou, N.H. Tran, D.B. Luu, A Digital Image Correlation setup for the analysis of lead-free solder alloys. International Conference on System Science and Engineering (ICSSE), 2017, Ho Chi Minh City, Vietnam.

B. Béchadergue, L. Chassagne, H. Guan, A Visible Light Relative Positioning System for Automotive Relative Positioning, IEEE Sensors 2017 (Glasgow – UK).

P. Canaud, F. Maroteaux, J.-M. Morelle, K. L. Tan, F. Schoenstein, N. Jouini, Elaboration of Ag₃Sn nanoparticles with polyol process ,13th International Conference on Diffusion in Solids and Liquids – DSL, Vienna, Austria June 2017.

F. Maroteaux, B. M. Vaglieco. N-heptane ignition delay time model for two stage combustion process. ICE2017, 13th International Conference on Engines & Vehicles. September 2017, Capri, Italie.

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M. D. Hina, H. Guan, A. Ramdane-Cherif, Novel Approaches in Human-Vehicle Interaction Interface of a Vehicle Driving Assistance System, IHCI 2017, 11th International Conference on Interfaces and Human Computer Interaction, Lisbon, Portugal, 21-23 July 2017.

M.N. Khiat, X. Wang, L. Benabou, L. Chassagne, J. Linares, Modelling of the densification of silver particles under low pressure and for a controlled time - temperature profile, 6th International Conference on Mathematical Modeling in Physical Sciences, IC-MSQUARE 2017.

A. Touazi, I. Dergham, Y. Alayli, L. Chassagne, J. Linares, COMSOL simulation of a attenuated magnetic field through a metallic plate, 6th International Conference on Mathematical Modeling in Physical Sciences, IC-MSQUARE 2017.

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C.J. Peng, T.A. Nguyen, K Rohtlaid, C. Plesse, S.J. Chen, L. Chassagne et B. Cagneau, A Versatile Conducting Interpenetrating Polymer Network for Sensing and Actuation, In : IEEE Int. Conf. on Robotics and Automation, p. 4321–4325, may 2017.

S. Liang, M. Boudaoud, B. Cagneau et S. Regnier, Velocity characterization and control strategies for nano-robotic systems based on piezoelectric stick slip actuators, In : IEEE Int. Conf. on Robotics and Automation, p. 6606–6611, may 2017.

M. Tyrman, S.Ahmim, A. Pasko, V. Etgens, F. Mazaleyrat, S. Quetel-Weben, L. Perrière and I. Guillot. Anisotropy of the ferromagnetic L1 phase in the Mn-Al-C alloys induced by high-pressure spark plasma sintering. MMM 2017, Pittsburgh, USA

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A. Guerine, A. ELhami, T. Merzouki, Cooling of circuit boards using natural convection, 7th Conference on Design and Modeling of Mechanical Systems, Tunisia (2017).

C. Saada, P.-R. Dahoo, J. Linares, T. Merzouki, P. Pougnet, A. Elhami, Edge eect on nanopconferences of an interconnect alloy from the abv model, International Conference on Mathematical Modeling in Physical Sciences IC-MSQUARE, Cyprus (2017).

M. Benallegue, A. Benallegue, Y. Chitour, Tilt estimator for 3D non - rigid pendulum based on a tri - axial accelerometer and gyrometer, IEEE Int. Conference on Humanoid Robots (HUMANOIDS'2017), Birmingham, UK, November 15-17, 2017.

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A. Riani, T. Madani, A. El Hadri and A. Benallegue, Adaptive Control Based on an On - line Parameter Estimation of an Upper Limb Exoskeleton, IEEE International Conference on Rehabilitation Robotics (ICORR'2017), London, UK, 17-20 July 2017.

Manolo Dulva Hina, Assia Soukane, Amar Ramdane - Cherif, "Cognition of Driving Context in a Connected and Semi - Autonomous Vehicle: A Perspective", DeCPS 2018 – Ada Europe, Workshop on Dependable Cyber Physical Systems, 16 June 2017, Vienna, Austria.

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Manolo Dulva Hina, Hongyu Guan and Amar Ramdane - Cherif, "Novel approaches in human-vehicle interaction interface of a vehicle driving assistance system ", IHCI 2017, 11th International Conference on Interfaces and Human - Computer Interaction, 21-23 July 2017, Lisbon, Portugal.

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Madeira, Portugal.

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T-A. N'Guyen, L. Chassagne, B. Cagneau, A. Fannir, K. Rohtlaid, T-M. Giao Nguyen, C. Plesse, F. Vidal, C-J. Peng, S-J. Chen, An embedded system to control conducting interpenetrating polymer networks actuators, IEEE Sensors 2016 (Orlando – US)

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P. Canaud, F. Maroteaux, J.M. Morelle, K.L. Tan, F. Schoenstein and N. Jouini. Elaboration of Ag₃Sn nanoparticles with polyol process: effect of synthesis parameters. 12th International Conference on Diffusion in Solids and Liquids – DSL, Croatia June 2016.

Mu. Tyrman, A.Pasko, L. Perrière, V. Etgens, O. Isnard, F. Mazaleyrat. Effect of carbon on magnetic order in Mn-Al-C alloys. JEMS 2016, Glasgow, United Kingdom, August 2016.

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