



Laboratoire d'ingénierie des systèmes de Vers

CONFÉRENCES INTERNATIONALES 2015 - 2019 INSTRUMENTATION AND MODELISATION OF ADVANCED SYSTEMS AND NANOSYSTEMS TEAM

Conférences internationales avec comité de lecture et actes 2015 -
2019

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.

2018

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).

2017

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.

A-M. Cilean, M. Dimian, V. Popa, L. Chassagne, B. Cagneau, Digital Signal Processing Sensor for Automotive Visible Light Communications Applications, First New generation of Circuits and Systems Conference, NGCAS (Genova – Italy), September 2017.

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.

J. A. Nasser, L. Chassagne, Y. Alayli, Jorge Linares, Study of spin-crossover compound nanoparticles in the atom - phonon coupling model including a surface effect, 6th International Conference on Mathematical Modeling in Physical Sciences, IC-MSQUARE 2017.

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

M. Tyrman, S. Quetel-Weben, A. Pasko, L.c Perrière, I. Guillot, V.Etgens, F. Mazaleyrat. Ferromagnetic L 10 phase formation in the Mn–Al–C alloys induced by high-pressure spark plasma sintering. INTERMAG 2017, Dublin, Ireland, April 2017.

M. Tyrman, A. Pasko, L. Perrière, V.r Etgens, O. Isnard, F. Mazaleyrat. Effect of Carbon Addition on Magnetic Order in Mn -Al-C Alloys. INTERMAG 2017, Dublin, Ireland, April 2017.

2016

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.

M. D. Hina, H. Guan, A. Ramdane-Cherif, N. Deng, Secured Data Processing, Notification and Transmission in a Human-Vehicle Interaction System, 19th IEEE International Conference on Intelligent Transportation System (Rio de Janeiro – Brazil)

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)

V.N. Le, L. Benabou, V. Etgens, Q.B. Tao, Micromechanical model for describing intergranular fatigue cracking in a lead-free solder alloy. Procedia Structural Integrity, vol. 2, p. 2614-2622, 21st European Conference on Fracture (ECF 21), Italy, 2016.

Y-L. Tu, J-A. Wu, S-J. Chen, B. Cagneau, L. Chassagne, Fabrication of acoustic ejectors by using soft-lithography, IEEE Sensors 2016 (Orlando – US)

W. Merzouk, B. Cagneau, K. Hilouane, F. Gardillou, L. Chassagne, An affordable and easy-to-use interferometer with a dedicated acquisition system, IEEE Sensors 2016 (Orlando – US)

B. Béchadergue, H. Guan, L. Chassagne, S. Tohmé, J.L. Franchineau, A Visible Light Communication (VLC) system for platooning applications, International Conference Vision 2016 (Paris).

B. Béchadergue, L. Chassagne, H. Guan, Visible Light Phase-Shift Rangefinder for Platooning Applications, 19th IEEE International Conference on Intelligent Transportation System (Rio de Janeiro – Brazil)

O. Thévenot, G. Thuillier, R. Sindjui, M.S. Khan, and O. Séron, Progress report on the determination of RK project at LNE, Article soumis, Conference on Precision Electromagnetic Measurements, Ottawa, 2016.

T-A. N'Guyen, C-J. Peng, L. Chassagne, A. Fannir, K. Rohtlaid, T-M. Giao Nguyen, C. Plesse, F. Vidal, S-J. Chen, B. Cagneau, Electronic board dedicated to conducting IPN actuators, Sixth international conference on Electromechanically Active Polymer (EAP) transducers & artificial

muscles (Copenhagen – Danemark).

M. Hina, H. Guan, N. Deng, A. Ramdane-Cherif, CASA: Towards Safe and Green Driving for Real-time Driving Events, SAI Intelligent Systems Conference 2016, IntelliSys 2016, London september 2016).

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.

T. Ben Ghzaïel, M.Tyrman, Q. Jouguet, F. Mazaleyrat, W. Dhaoui. Anomalous hysteresis loops in Bismuth hexaferrite. JEMS 2016, Glasgow, United Kingdom, August 2016.

2015

R. Sindjui, O. Thévenot, P. Gournay, F. Piquemal, G. Thuillier, S. Khan, O. Séron, Improvement of the Measurement Chain Linking the farad to the ohm at LNE, EDP Sciences, 17th International Congress of Metrology, Paris, 2015.

R. Sindjui, P. Gournay, O. Thévenot, and G. Thuillier, Fabrication and characterization of a standard two-stage autotransformer, Poster, EURAMET Workshop, Paris, 2015.A. Soisson, L. Chikh, P. Banet, O. Fichet, Thermally stable hydrophobic polymers, 1st French-Spanish Joint Congress JIP-JEPO, 2015

Q. B. Tao, L. Benabou, K. L. Tan, J.M. Morelle and F. Ben Ouezdou, “Creep Behavior of InnoLot Solder Alloy Using Small Lap-Shear Specimens,” in Proceedings of the 17th International Conference on Electronics Packaging Technology, Singapore, 12/2015. (Submitted)

G. Thin, Z. Zojceski, J-B. Millet, Y. Alayli, Thermal simulations and design propositions for LEDs used in automotive applications, EMPC Allemagne,

Septembre 2015. (accepted)

F. Maroteaux, C. Saad, F. Aubertin, P. Canaud. Analysis of crank angle resolved in-cylinder combustion modeling for real-time Diesel engine simulations.
ICE2015, 12th International Conference on Engines for Automobile, September 2015.

Q. B. Tao, L. Benabou, K. L. Tan, J.M. Morelle and F. Ben Ouezdou, "Evaluation of the creep behavior of lead-free SnAgCuBiNi solder joints using in-situ micro-tensile testing," in Proceedings of the 13th International Conference on Creep and Fracture of Engineering Materials and Structures, Toulouse, 05/2015.

P. Canaud, F. Maroteaux, J.-M. Morelle,, K.-L. Tan, F. Schoenstein, N. Jouini. Synthesis and characterizations of Ag₃Sn particles with polyol process.
E-MRS Conference, May 2015.

V.N. Le, L. Benabou, V. Etgens. "Crystal plasticity model for describing fatigue of a lead-free solder under passive temperature cycling". IV International Conference on Computational Modeling of Fracture and Failure of Material and Structure, 3-5 June 2015, Paris, France.

A.O. Anele, Y. Hamam, L. Chassagne, J. Linares, Y. Alayli, K. Djouani, Computation of the mutual inductance between air-cored coils of wireless power transformer, 4th international Conference on Mathematical Modelling in Physical Sciences, IC-MSQUARE, Mykonos (Greece), IOP Publishing, Journal of Physics: Conference Series 633, 012012, DOI: 10.1088/1742-6596/633/1/012012, June 2015.

A.O. Anele, Y. Hamam, L. Chassagne, J. Linares, Y. Alayli, K. Djouani, Evaluation of the magnetic fields and mutual inductance between circular coils arbitrarily positioned in space, 4th international Conference on Mathematical Modelling in Physical Sciences, IC-MSQUARE, Mykonos (Greece), IOP Publishing, Journal of Physics: Conference Series 633, 012011, DOI: 10.1088/1742-6596/633/1/012011, June 2015.

A.O. Anele, Y. Hamam, L. Chassagne, J. Linares, Y. Alayli, K. Djouani, Computational models of an inductive power transfer system for electric vehicle battery charge, 4th international Conference on Mathematical Modelling in Physical Sciences, IC - MSQUARE, Mykonos (Greece), IOP Publishing, Journal of Physics: Conference Series 633, 012010, DOI: 10.1088/1742-6596/633/1/012010, June 2015.

A. Soisson, L. Chikh, P. Banet, O. Fichet, Thermally stable hydrophobic polymers, 1st French-Spanish Joint Congress JIP-JEPO, 2015.