

Publications de l'Axe 1- 2017

Publications de Naman Recho 2017

Livre

G. Vukelic, L. Murawski, N. Recho, G. Vizentin "Marine structural failures: causes and analysis tools"
18th Annual General Assembly of the International Association of Maritime Universities
Global perspectives in MET: Towards Sustainable, Green and Integrated Maritime Transport-October 2017
Volume II © 2017 Nikola Vaptsarov Naval Academy – Varna, Bulgaria . ISBN 978-954-8991-98-8

Revue à comité de lecture et à diffusion internationale

J.Gardan, A.Makke, N. Recho "Improving the fracture toughness of 3D printed thermoplastic polymers by fused deposition modeling " Revue: Int. Journal of Fracture 210:1–15. <https://doi.org/10.1007/s10704-017-0257-4> Received: 25 February 2017 / Accepted:12 December 2017. Published online: 23 December 2017 © Springer Science+Business Media B.V., part of Springer Nature 2017

Julien Gardan 2017

Autres Chapitres de livres

J.Gardan "Additive Manufacturing Handbook: Product Development for the Defense Industry"
Chapitre de livre : Chapter 10, CRC Press, Taylor & Francis Group, 2017

Revue à comité de lecture et à diffusion internationale

J.Gardan, A.Makke, N. Recho "Fracture improvement by reinforcing the structure of ABS parts manufactured by Fused Deposition Modeling (FDM - 3D Printing)" Revue: 3D Printing and Additive Manufacturing journal

C. Zhang, J. Gardan, F. Zhu, H. Badreddine, X.L. Gong "Thermal behavior analysis of open-cell metal foams manufactured by rapid tooling" Revue : Journal of Porous Media.

J. Gardan "Method for characterization and enhancement of 3D printing by binder jetting applied to the textures quality", Revue : Assembly Automation. (2017) Vol. 37 Issue: 2, pp.162-169, Emerald, doi: 10.1108/AA-01-2016-007

E. Asadollahi-yazdi, j gardan, p lafon "Integrated design for additive manufacturing based on skin-skeleton approach" Procedia CIRP, 2017 – Elsevier

J Gardan, N Matta "Enhancing Knowledge Management into Systems Engineering through New Models in SysML" Procedia CIRP, 2017 - Elsevier

Colloques internationaux avec actes

E Asadollahi-Yazdi, J Gardan, P Lafon "integrated design for additive manufacturing based on skin-skeleton approach" CIRP Design, Cranfield, May 10-12, 2017

J Gardan, N Matta "Enhancing Knowledge Management into Systems Engineering through New Models in SysML" 27th CIRP Design, Cranfield, May 10-12, 2017

Mahdi Chemkhi 2017

Reuves à comité de lecture et à diffusion internationale

M.Chemkhi, D.Restraint, A.Roos, C.Demangel "Role and effect of mechanical polishing on the enhancement of the duplex mechanical attrition/plasma nitriding treatment of AISI 316L steel"
Revue: Surface & Coatings Technology, Volume 325, 25 September 2017, Pages 454–461

Z.Sun, D.Restraint, T.Baudin, A.L.Helbert, F.Brisset, M.Chemkhi, J.Zhou, P.Kanouté "Experimental study of microstructure changes due to low cycle fatigue of a steel nanocrystallised by Surface Mechanical Attrition Treatment (SMAT)"
Revue: Materials Characterization Volume 124, 1 February 2017, Pages 117-121

Thomas Provot 2017

Livres

Reuves à comité de lecture et à diffusion internationale

T. Provot, X.Chimentin, E.Oudin, F. Bolaers S. Murer "Validation of a High Sampling Rate Inertial Measurement Unit for Acceleration During Running"
Revue: Sensors 17(9):1958, 2017

X. Chimentin, S. Crequy, R. Feron, M. Munera, E. Abdi, T. Provot, R. Taiar "Contribution of Bamboo for Vibratory Comfort in biomechanics of Cycling"
Revue: The Open Mechanical Engineering Journal, 11(1),44-54, 2017.

Ali Makké 2017

Reuves à comité de lecture et à diffusion internationale:

A. Rida, E. Rouhaud, A. Makke, B. Mantissi, M. Micoulaut. "Study of the effects of grain size on the mechanical properties of nanocrystalline copper using molecular dynamics simulation with initial realistic samples"
Revue : Philosophical magazine (2017) pp 1-19.

J. Gardan, A. Makke, N. Recho "Fracture improvement by reinforcing the structure of ABS parts manufactured by Fused Deposition Modeling (FDM - 3D Printing)"
Revue: 3D Printing and Additive Manufacturing journal (2017)

M. Mahaud; Z. Zhai; M. Perez; O. Lame; A. Makke. J. Morthomas C. Fusco; L. Chazeau; G. Marque "Polymer chain generation for coarse-grained models using radical-like polymerization" (ICP-OA-2017-0146)
Communications in Computational Physics major revision (2017)

Colloques internationaux avec actes

A. Makke, H. Al-Kaswini, N. Recho "Crack extension under mixed mode loading at v-notch tip -peridynamic analysis", 14th International Conference on Fracture ICF-14 (2017)

Joseph Maraé Djouda 2017

Revue à comité de lecture et à diffusion internationale

J.M. Djouda, G. Montay, B. Panicaud, J. Béal, Y. Madi, T. Maurer "Nanogauges gratings for strain determination at nanoscale" *Mechanics of Materials* 114, 268-278

A.Gontier, J. Marae-Djouda, R. Caputo, Y. Madi, M. Molinari, G. Leveque, P-M. Adam, T. Maurer "Optical properties of gold nanorods macro-structure: a numerical study" *Photonics Letters of Poland* 9 (1), 23-25

Publications de Yazid Madi 2017

Revue à comité de lecture et à diffusion internationale

J.M. Djouda, G. Montay, B. Panicaud, J. Béal, Y. Madi, T. Maurer "Nanogauges gratings for strain determination at nanoscale" *Mechanics of Materials* 114, 268-278

A.Gontier, J. Marae-Djouda, R. Caputo, Y. Madi, M. Molinari, G. Leveque, P-M. Adam, T. Maurer "Optical properties of gold nanorods macro-structure: a numerical study" *Photonics Letters of Poland* 9 (1), 23-25

C. Soret, Y. Madi, V. Gaffard, J. Besson "Local approach to fracture applied to the analysis of a full size test on a pipe containing a girth weld defect" *Engineering Failure Analysis*, 2017

G. Testa, N. Bonora, D. Gentile, A. Carlucci, Y. Madi "Ductile fracture assessment of X65 steel using damage mechanics" *Procedia Structural Integrity* 3, 508-516, 2017

G. Testa, N. Bonora, D. Gentile, A. Ruggiero, G. Iannitti, A. Carlucci, Y. Madi "Strain capacity assessment of API X65 steel using damage mechanics" *Fracture and Structural Integrity*, 315-327, 2017