

## Publications 2013

### BOOKS

- S. Pincemin, participation à l'ouvrage « Le stockage de l'énergie », livre coordonné par P. Odru, Dunod., 2<sup>e</sup> édition 2013.

### INTERNATIONAL PEER REVIEWED JOURNALS

- « Droits conférés par la marque et projet de directive européenne : faire et défaire... » B. Humblot (accepté, à paraître RLDI, janvier 2014)
- "Fracture Mechanics N. Recho" Journal: "Kirk-Othmer Encyclopedia". @ 2013 by John Wiley and Sons, Inc.  
DOI: 10.1002/0471238961.0618010303181521.a01.pub2. - Article Online: January 18, 2013
- « Réflexions sur le droit des marques et l'économie du lien sponsorisé » B. Humblot, O. Bomsel, V. Costanza, RLDI, janvier 2013
- "Analysis of the stress singularity for a bi-material V-notch by the boundary element method". C.Z.Cheng, Z.R. Niu, N. Recho-Revue: "Journal of Applied Mathematical Modelling" Volume 37, Issue 22, 15 November 2013, Pages 9398-9408
- "Analyse the role of the non-singular stress in brittle fracture by BEM coupled with eigen-analysis". C.Z.Cheng, Z.R. Niu, N. Recho, H. Zhou - Revue: Fatigue and Fracture of Engineering Materials and Structures (FFEMS). Wiley Publishing Ltd. Article first published online: 8 NOV 2012. DOI: 10.1111/ffe.12012. Volume 36, Issue 5, May 2013, Pages: 416–426.
- H. Park; M. Ruellan; N. Martaj; R. Bennacer; E. Monmasson, "Generic Thermal Model of Electrical Appliances In Thermal building: Application to the Case of a Refrigerator", Energy and Buildings 62 p. 335–342, 2013.
- H. Park, N.Martaj, M.Ruellan, R. Bennacer and Eric Monmasson, "Thermal Modeling of a Building System and its Parameter Identification", JEET, Journal of Electrical Engineering & Technology, Vol. 8, No. 6, ISSN:1975-0102, 2013.
- C. Dobre, L.Grosu, N. Martaj «Beta type Stirling engine. Confrontation of Schmidt and finite physical dimensions thermodynamics methods to experiments", EEMJ, 2013, [accepté, sous presse].
- A. Merabtine, R. Benelmir, El Ganaoui M. Pseudo-bond graph model for the analysis of the thermal behavior of buildings, Thermal Science, 17(3) 723-732, 2013.
- A. Merabtine, R. Benelmir, Modeling of the RHC system with Bond Graphs approach, International Journal of Thermal and Environmental Engineering, 2013, 5(2) 145-153.
- F. Besnard, An approximation theorem for non-decreasing functions on compacts posets, J. Approx. Theory 172 (2013) 1-3 arxiv.org/abs/1208.2616

### INTERNATIONAL PEER REVIEWED CONFERENCES

- E. Giudilli, N. Martaj, A. Perona, S. Pincemin and Y. Cuminal, "Study of the thermal behavior of solar cells based on GaAs», International COMSOL Conference, Rotterdam, 2013.

- H. Park, N.Martaj, M.Ruellan, R. Bennacer and Eric Monmasson, "Thermal Modeling of a Building System and its Parameter Identification", JEET, Journal of Electrical Engineering & Technology, Vol. 8, No. 6, ISSN:1975-0102, 2013.
- N. Martaj, L. Grosu, P. Rochelle, « Modélisation 1D d'un moteur Stirling de type Alpha », poster SFT, 2013.
- Leguyader C., Madi, Y., Azzouz, F., Besson, J.« Anisotropic ductile damage model to simulate fracture of a 2219 T87 aluminum alloy» *3<sup>rd</sup> International Conference on Material Modelling*. Warsaw, September 2013.
- " Estimation of the uncertainties on the fatigue reliability of a welded assembly based on Power-law accelerated Birnbaum-Saunders life models "A.Grous, T.Lassen, N.Recho ICOSAR - 2013 -11th International Conference on Structural Safety & Reliability June 16-20, 2013. Columbia University New York, NY

## **PATENTS**

1. G. MERCIER, J.-F. BLAIS, J. MOUTON, P. DROGUI, M. CHARTIER, " PROCESS, DECONTAMINANT AND CHEMICAL KIT FOR THE DECONTAMINATING MEDIA POLLUTED WITH METALS AND HYDROPHOBIC ORGANIC COMPOUNDS", US Patent US 2013/0012752 A2, January 2013.