

Publications récentes

Ouvrages et livres

- Special Issue on Polyhedra and Combinatorial Optimisation. **International Journal of Mathematics in Operational Research.** Guest Eds: M.Hifi, I. Kacem and A. R. Mahjoub, 2012.
- Special issue on knapsack problems and applications. **Computers and Operations Research** (Elsevier), Guest Eds M. Hifi and R. M'Hallah, 2012.
- Special issue in Operations Research. **Studia Informatica Universalis** (HERMANN Eds). Guest Eds : H. Ait Haddadene, I. Bouchemakh and M. Hifi, 2012.

Revues internationales avec comité de lecture

- G. Ausiello, N. Boria, A. Giannakos, G. Lucarelli and Vangelis Paschos. Online maximum k-coverage, Discrete Applied Mathematics, vol. 160, pp. 1901-1913, 2012.
- M. Bédérina, M. Gotteicha, B. Belhadj, R.M. Dheilly, M.M. Khenfer, M. Quéneudec. Drying shrinkage studies of wood sand concrete. Effect of different wood treatments, Construction and Building Materials, 36, pp 1066-1075, 2012.
- K. Benhabib, Raewyn M. Town. Dynamic Solid Phase Microextraction (SPME) of Atrazine at PDMS and PA coated fibers, Chemical Engineering Transaction, 29, pp 151-156, 2012.
- N. Bourgeois, A. Giannakos, G. Lucarelli, I. Milis, V. Paschos and O. Pottié. The Max Quasi-Independent Set Problem, Journal of Combinatorial Optimization Vol. 23, p.p. 94-117, 2012.
- N. El Hajj, R.M. Dheilly, A. Goullieux, Z. Aboura, M.L. Benzeggagh, M. Quéneudec. Innovant agromaterials formulated with flax shaves and proteinic binder: Process and characterization, Composites Part B: Engineering, 43(2), pp 381-390, 2012.
- K.Harrat, N.Chelgroum, M.Hidjeb, M.Quéneudec. Effect of alkali treatment and fiber content on the mechanical characteristics of cement/date palm fibers composites DPLF, International Review of Mechanical Engineering (IREME), 6 (3), pp 364-371, 2012.
- M. Hifi, S. Negre, R. Ouafi and T. Saadi: A Parallel Algorithm for Constrained Two-Staged Two-Dimensional Cutting Problems. Computers & Industrial Engineering, Vol. 62, pp. 177-189, 2012.
- M. Hifi and L. Wu. An Equivalent Model for Exactly Solving the Multiple-choice Multidimensional Multiple Knapsack Problem. International Journal of Combinatorial Optimization Problems and Informatics, pp. 43-58, 2012.
- M. Hifi and T. Saadi. A parallel algorithm for two-staged two-dimensional fixed-orientation cutting problems. Computational Optimization and Applications, vol. 51, pp 783-807, 2012.
- M. Hifi and N. Otmani. An algorithm for the disjunctively constrained knapsack problem. International Journal of Operational Research, vol. 13, pp. 22-43, 2012.
- M. Khazma, A. Goullieux, R M Dheilly, M. Quéneudec. Coating of a lignocellulosic aggregate with pectin/polyethylenimin mixtures: Effects on flax shive and cement-shive composite properties, Cement and Concrete Composites, 34(2), pp 223-230, 2012.
- V.D. Nguyen, K. Benhabib, C. Marie, P. Coorevits. Heat transfer in a granular media modeled by a coupled DEM-Finite difference method: Application to fluidized bed processes, Procedia Engineering, special issue of Elsevier, 42, pp 895-904, 2012.
- G. Mimanne, R. Sennour, A. Benghalem, S. Taleb, K. Benhabib. Use of the Geomaterial for the Elimination of Surfactant Dodecylbenzene Sulfonic Acid from Aqueous Solution, Journal of Materials and Environmental Science, 3 (4), pp 712-725, 2012.
- H. Akeb, M. Hifi and M-E. Ould Ahmed Mounir. Local branching-based algorithms for the disjunctively constrained knapsack problem. Computers and Industrial Engineering, vol. 60, pp 811-820, 2011.
- H. Akeb, M. Hifi and S. Negre. An augmented beam search-based algorithm for the circular open dimension problem. Computers and Industrial Engineering, vol. 61, pp. 373-381, 2011.

- Al-Mudahka, M. Hifi and R. M'Hallah. Packing circles in the smallest circle: an adaptive hybrid algorithm. Journal of the Operational Research Society, pp.1917-1930, 2011
- P. Coorevits, C. Marie, K. Benhabib. Modeling of a discharge powder fire extinguisher by mixed discrete element method (DEM) and computational fluid dynamics (CFD), European Journal of Computational Mechanics,20 (7-8), pp 487-502, 2011.
- M. Khazma, A. Goullieux, R M Dheilly, B. Laidoudi, M. Quénéudec. Impact of aggregate coating with a PEC elastomer on properties of lightweight flax shive concrete, Industrial Crops and Products, 33(1), pp 49-56, 2011.
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- T. Le Ngoc Huyen, M. Quénéudec t'Kint, C. Rémond, B. Chabbert, R.M. Dheilly. Saccharification of Miscanthus x giganteus, incorporation of lignocellulosic by-products in cementitious matrix, C.R. Biologies, 334, pp 837e1-837e11, 2011.

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- A. Giannakos, M. Hifi, R. Kheffache and R. Ouafi. An approximation algorithm for the Three Depots Hamiltonian Path, Proc. 10th BALCOR, Intl Proc. Math. Stat. Springer, pp 354-359, 2013
- H. Akeb, M. Hifi and D. Lazure. An improved algorithm for the strip packing problem. Actes de la conférence internationale Computer Science and Information Systems FedCSIS 2012, Wroclaw, Pologne, pp. 375-382, 8-10 septembre 2012.
- D. El-Baz, M. Hifi and T.Saadi, 2D Cutting Stock Problems Peer-to-Peer Parallel Solving, The Cologne-Twente Workshop (CTW) on Graphs and Combinatorial Optimization, Universität der Bundeswehr München, Germany, 2012.
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- V.D. Nguyen, K. Benhabib, C. Marie, P. Coorevits. Heat transfer in a granular media modeled by a coupled DEM-CFD, 20th International Congress of Chemical and Process Engineering, Chisa 2012, Prague, Czech Republic, 25-29 August 2012.
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- M. Khazma, A. Goullieux, M. Quénéudec. Valorisation d'anas de lin dans des composites cimentaires : étude comparative de l'impact des différents traitements sur les performances de la fraction végétale et des composites. Congrès International Francophone NoMAD 2012, Toulouse, France, 19-20 novembre 2012.
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