

## Publications du département de Méthodes Quantitatives de Gestion du CEB depuis 2005

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### Livres et parties d'ouvrages collectifs

**Boujelben M.A., Y. De Smet\***, **A. Frikha**, and **H. Chabchoub**, "The first belief dominance: a new approach in evidence theory for comparing basic belief assignments", *Proceedings of the 1<sup>st</sup> International Conference on Algorithmic Decision Theory (Lecture Notes in Artificial Intelligence)*, Italy, 2009.

**Bouyssou D. and Ph. Vincke\***, "Relational structures and preference modelling", *Concepts et Méthodes pour l'Aide à la Décision*, edited by J. Ch. Pomerol, Hermès, forthcoming.

**De Smet\* Y. and S. Eppe**, "Multicriteria Relational Clustering: The case of binary outranking matrices", *Proceedings of the EMO 2009 (Lecture Notes in Computer Science)*, France, 2009.

**De Smet\* Y., B. Mareschal\***, and **C. Verly**, "Extending the PROMETHEE II method to continuous and combinatorial multi-objective optimization problems: a first model", *Proceedings of de IEEE 2009 International Conference on Industrial Engineering and Engineering Management*, Hong Kong, 2009.

**Hayez Q., B. Mareschal\***, and **Y. De Smet\***, "New GAIA Visualization Methods" *Proceedings of the 13th International Conference on Information Visualization 2009, Barcelona (IEEE Computer Society)*, Spain, 2009.

**Lidouh K., Y. De Smet\***, and **T.H. Minh**, "Circular representations of a valued preference matrix", *Proceedings of the 1<sup>st</sup> International Conference on Algorithmic Decision Theory (Lecture Notes in Artificial Intelligence)*, Italy, 2009.

**Lidouh K., Y. De Smet\***, and **E. Zimányi**, "GAIA Map: A Tool for Visual Ranking Analysis in Spatial Multicriteria Problems", *Proceedings of the 13th International Conference on Information Visualization 2009*, Barcelona ( IEEE Computer Society), Spain, 2009.

**Mareschal\* B. and Y. De Smet\***, "Visual Promethee: Developments of the PROMTHEREE & GAIA multicriteria decision aid methods", *Proceedings of the IEEE 2009 International Conference on Industrial Engineering and Engineering Management*, Hong Kong, 2009.

**Mareschal\* B., Y. De Smet\***, and **P. Nemery**, "Rank Reversal in the PROMETHEE II Method: Some New Results", *Proceedings of de IEEE 2008 International Conference on Industrial Engineering and Engineering Management*, Singapore, 2008.

**Vincke\* Ph.**, "Preference modelling", *State of Art of Multiple Criteria Decision Analysis*, edited by J. Figueria, S. Greco and M. Ehrgott, Kluwer, 2005.

#### Revue à comité de lecture

**Abbas M., M. Pirlot, and Ph. Vincke\***, "Tangent circle graphs and 'orders'", *Discrete Applied Mathematics*, 155, 4, 429-441, 2007.

**Belotti P., M. Labbé\*, F. Maffioli, and M. N. Ndiaye**, "A Branch-and-Cut Method for the Obnoxious p – Median Problem", *4OR: A Quarterly Journal of Operations Research*, 5, 4, 2007.

**Boujelben M.A., Y. De Smet\*, A. Frikha, and H. Chabchoub**, "Building a binary outranking relation in uncertain, imprecise and multi-experts contexts: The application of evidence theory", *International Journal of Approximate Reasoning*, 50, 8, 1259-1278, 2009.

**Canovas L., S. Garcia, M. Labbé\*, and A. Marin**, "A strengthened formulation for the simple plant location problem with order", *Operation Research Letters*, 35, 2, 141-150, 2007.

**Hites R., Y. De Smet\*, N. Risse, M. Salazar, and Ph. Vincke\***, "About the applicability of MCDA to some robustness problems", *European Journal of Operational Research*, 2006

**Huygens D., M. Labbé\*, A. Ridha Mahjoub, and P. Pesneau**, "The Two-Edge Connected Hop-Constrained Network Design Problem: Valid Inequalities and Branch-and-Cut", *Networks*, 49, 1, 116-133, 2007.

#### Etude de cas, autres revues et working papers

**Boujelben M. A., Y. De Smet\*, A. Frikha, and H. Chabchoub**, "Building a binary outranking relation in uncertain, imprecise and multi-experts contexts: the application of evidence theory", *Technical Report TR/SMG/2008-004*, SMG, CoDE, ULB, December 2008.

**De Smet\* Y. and N. Gothelf**, "About the choice between a reversed multi-attribute auction and a reversed auction with a quality threshold", *Proceedings des 66èmes journées du groupe de travail européen "Aide Multicritère à la Décision"*, 2007.

**De Smet\* Y. and C. Lamboray**, "Clustering the bidding space into niches: A multicriteria hierarchical approach", IS-MG 2005/05.

**Gothelf N., Y. De Smet\*, and G. Havelange**, "About the choice between a reversed multi-attribute auction and a reversed auction with a quality threshold", *Technical Report TR/SMG/2008-002*, SMG, CoDE, ULB, May 2008.

**Lidouh K., Y. De Smet\*, and E. Zimányi**, "GAIA Map: A tool for visual ranking analysis in spatial multicriteria problems", *Technical Report TR/SMG/2008-003*, SMG, CoDE, Université Libre de Bruxelles, Brussels, Belgium, October 2008.

**Mareschal\* B., Y. De Smet\*, and P. Nemery de Bellevaux**, "Rank reversal in the PROMETHEE II method: some new results", working paper.

**Nemery de Bellevaux P. and Y. De Smet\***, "Multicriteria Ordered Clustering", *IS-MG* 2005/03.

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