

## *Malek MASMOUDI*

### Maître de Conférences, HDR

#### Papiers revues

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O. Ayedi, **M. Masmoudi**, M. Benameur, F. Masmoudi, A new PSO-based algorithm for two-dimensional non-guillotine non-oriented cutting stock problem, Applied Artificial Intelligence: An International Journal, Taylor & Francis, accepted for publication in 22/06/2017 (JCR, IF: 0.652)

F. E. Hamdani, **M. Masmoudi**, A. Al Hanbali, F. Bouyahia, and A. A. Ouahman, Diagnostic and modelling of elderly flow in a French healthcare Institution, Computers & Industrial Engineering, ELSEVIER, 2017 (JCR, IF : 2.08)

S. Frifita, **M. Masmoudi**, and J. Euchi, Generalized Variable Neighborhood Search for Home Healthcare routing and scheduling problem with time windows and synchronized Visits. Electronic Notes in Discrete Mathematics journal, 2017 (SJR, IF : 0.32)

R. Borchani, A. Elloumi, and **M. Masmoudi**, Variable Neighborhood Descent search based algorithms for Course Timetabling Problem: Application to a Tunisian University, the Electronic Notes in Discrete Mathematics journal, 2017 (SJR, IF : 0.32)

M. A. Masmoudi, K. Braekers, **M. Masmoudi**, and A. Dammak, A Hybrid Genetic Algorithm for the heterogeneous dial-a-ride problem, Computers & Operations Research journal, ELSEVIER, 2016 (JCR, IF : 1.988)

A. Gueham, A. Nagih, H. Ait Haddadene, and **M. Masmoudi**, Graph coloring approach with new upper bounds for the chromatic number: application to team building. RAIRO-Operations Research, 2016 (JCR, IF : 0.405)

Z. Ben Houria, **M. Masmoudi**, A. Al Hanbali, I. Khatrouch, and F. Masmoudi, Quantitative techniques for medical equipment maintenance management, European J. of Industrial Engineering, Inderscience, 2016 (JCR, IF : 0.718)

**M. Masmoudi**, Z. Ben Houria, A. Al Hanbali, and F. Masmoudi, Decision Support Procedure for Medical Equipment Maintenance Management, Journal of Clinical Engineering, 2016 (SJR, IF : 0.18)

**M. Masmoudi**, E. W Hans, and A. Haït, Tactical project planning under uncertainty: Fuzzy approach, European J. of Industrial Engineering, Inderscience, 2016 (JCR, IF : 0.718)

**M. Masmoudi**, and A. Hait, Project scheduling under uncertainty using fuzzy modelling and solving techniques. Engineering Applications of Artificial Intelligence, Elsevier, 2013 (JCR, IF : 2.368)

**M. Masmoudi**, and A. Hait, Fuzzy uncertainty modelling for project planning; application to helicopter maintenance, International Journal of Production research, Taylor & Francis, Vol 50, issue 24, 2012 (JCR, IF: 1.693)

## Chapitres de livres

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**M. Masmoudi**, E. W. Hans, R. Leus, and A. Hait, Fuzzy Multi-Project Rough-Cut Capacity Planning, Werner, F.; Sotskov, Y. (Eds.): Sequencing and Scheduling with Inaccurate Data, Publisher: Nova Science Publishers, September 2013

**M. Masmoudi**, and A. Hait, Fuzzy Resource Constraint Project Scheduling Problem, Werner, F.; Sotskov, Y. (Eds.): Sequencing and Scheduling with Inaccurate Data, Publisher: Nova Science Publishers, September 2013

## Sélection de papiers conférences internationales

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S. Triki, S. Hadj Taeib, **M. Masmoudi**, S. Afifi and A. Dammak, Epsilon constraint method for Home care routing and scheduling problem, MOPGP, 30-31 October 2017, Metz, France

S. Triki, H. Kamoun and **M. Masmoudi**, Epsilon constraint method for cell formation problem, MOPGP, 30-31 October 2017, Metz, France

M. Berquedich, O. Kamach, **M. Masmoudi**, and L. Deshayes, Reactive approach of flow patients management: The conception of a decisional interactive system, Logistiqua'2017, Maroc, April 2017

M. El Arbi, A. M. Karoui, **M. Masmoudi** and O. Ayadi, Collaborative inventory management in Tunisian health care sector. The Seventh International Congress Design and Modelling of Mechanical Systems, Hammamet, Tunisia, March 2017

A. Bouras, **M. Masmoudi**, N. El-H. Saadani, A three-stage Appointment Scheduling for an Outpatient Chemotherapy Unit using integer programming, 4th International Conference on Control, Decision and Information Technologies (CoDIT'17), Barcelona, Spain, April 2017

W. Neji, **M. Masmoudi**, and R. Mallouli, A Robust-MILP for Synchronized-mTSPTW: Application to Home Health Care under uncertainties, 4th International Conference on Control, Decision and Information Technologies (CoDIT'17), April 5-7, 2017, Barcelona, Spain, April 2017

F. Hamdani, F. Bouyahia, and **M. Masmoudi**, Platform support organ transplant process in a Moroccan context, 4th International Conference on Control, Decision and Information Technologies (CoDIT'17), Barcelona, Spain, April 2017

S. Frifita, **M. Masmoudi**, and J. Euch, Variable Neighborhood Search for Home Healthcare routing and scheduling problem with time windows and synchronized Visits. VNS2016, Malaga, October 2016

R. Borchani, A. Elloumi, and **M. Masmoudi**, Variable Neighborhood Descent search based algorithms for Course Timetabling Problem: Application to a Tunisian University, VNS2016, Malaga, October 2016

M. Berquedich, O. Kamach, L. **M. Masmoudi** and L. Deshayes, Méthodologie organisationnelle des processus en environnement incertain et perturbé: application au domaine hospitalier, CPI'2015, Tanger, Moroc, Décembre 2015

I. Khatrouch and **M. Masmoudi**, Multi-criteria decision making approach for home care team selection, CIE45, October 2015

F. Hamdani, L. Jdayni, **M. Masmoudi** and J. Roche, Quantitative modeling of elderly people flow within French healthcare system behavior, CIE45, October 2015

Z. B. Houria, M. Besbes, B. Elaoud, **M. Masmoudi** and F. Masmoudi, Maintenance strategy selection for medical equipments using fuzzy multiple criteria decision making approach, CIE45, October 2015

**M. Masmoudi**, M. Zidi, and H. Marweni, Internalisation/externalisation et choix de contrat en maintenance biomédicale, MOSIM2014, Nancy, Novembre 2014

**M. Masmoudi** Z. B. Houria, and F. Masmoudi, Multicriteria decision making for Medical equipment maintenance: Insourcing, outsourcing and service contract, IEEE CoDIT2014, Metz, November 2014

**M. Masmoudi** and R. Mellouli, MILP for Synchronized-mTSPTW: application to Home HealthCare Scheduling, IEEE CoDIT2014, Metz, November 2014

H. Saadouli, **M. Masmoudi**, B. Jerbi, and A. Dammak, An optimization and Simulation approach for Operating Room scheduling under stochastic durations, IEEE CoDIT2014, Metz, November 2014

S. Kharraja and **M. Masmoudi**, Robust master surgical scheduling, Orahs'2012, Enschede, Pays Bas, July 2012

**M. Masmoudi**, E. W. Hans, R. Leus, and A. Hait, Stochastic and fuzzy workload plans in project tactical planning under uncertainty, INCOM'2012, Bucarest, Roumania, Mai 2012

**M. Masmoudi**, Erwin Hans, Roel Leus, and Alain Hait, Rough-cut capacity planning under uncertainty, PMS'2012, Louvain, Belgium, April 2012

L. Chen, **M. Masmoudi**, W. Tao, and T. Monteiro. Système d'Information d'Aide à la Décision pour le dépistage et la coordination des soins de support en cancérologie, GISEH'2012, Québec, Canada, September 2012

**M. Masmoudi**, E. W. Hans, and A. Hait, Fuzzy tactical project planning: Application to helicopter maintenance, IEEE, ETFA'11, Toulouse, France, September 2011

**M. Masmoudi**, and A. Hait, A GA-based fuzzy resource leveling optimization for helicopter maintenance activity, EUSFLAT-LFA'11, France, July 2011

**M. Masmoudi**, and A. Hait, Fuzzy capacity planning for an helicopter maintenance center, IESM'11, France, Mai 2011

**M. Masmoudi**, Forecasting returns in reverse logistics: application to catalog and mail-order retailing, IESM'11, France, Mai 2011

**M. Masmoudi**, and A. Hait, A Tactical model under uncertainty for helicopter maintenance planning, MOSIM'10, Tunisia, Mai 2010

M. Ghazel, **M. Masmoudi**, and A. Toguyeni, Monitoring of Temporal Requirements with Stochastic Observation Patterns, Application to a Level Crossing Control, System, DCDS09, IFAC, June 2009, Bari, Italy

M. Ghazel, **M. Masmoudi**, and A. Toguyeni, Verification of temporal requirements of complex systems using UML patterns, application to a railway control example, SOSE09, IEEE, April 2009, San Antonio, USA