



## Christine DI MARTINELLY

**Ph.D. in Economic and Management Sciences**

**Assistant Professor, Operations Management**

**Academic Director**

**c.dimartinelly@ieseg.fr**

### **EDUCATION**

- 2008** Ph.D. in Applied Sciences, INSA Lyon, France
- 2008** Ph.D. in Economic and Management Sciences, Louvain School of Management, Belgium
- 2003** Master, Management Sciences, Statistics, Facultes des Sciences Agronomiques de Gembloux, Belgium
- 2001** Master in Management, Facultes Universtaires Catholiques de Mons, Belgium

### **PROFESSIONAL CERTIFICATION**

- 2001** ITIL Certificate, Pink Elephant, United Kingdom

### **RESEARCH INTERESTS**

Operations Management

### **EMPLOYMENT EXPERIENCE**

#### **ACADEMIC:**

- 2014 - Present** Academic director, IÉSEG School of Management, France
- 2010 - Present** Professor, Management, IÉSEG School of Management, France
- 2002 - 2008** Teaching and Research Assistant, Facultes Universtaires Catholiques de Mons, Mons, Belgium

#### **PROFESSIONAL:**

- 2001 - 2002** Junior Consultant, Arthur Andersen Business Consulting, Brussel, Belgium

### **COURSES TAUGHT**

- Supply chain management, Grande ecole
- Supply chain management, Msc in business analysis and consulting
- Transportation & logistics, Grande ecole
- Gestion de operaciones 2

- Investigation de operations (operations research)
- Gestion de operaciones 1
- Gestion de la production - horaire decale
- Gestion de la production - horaire decale

## **INTELLECTUAL CONTRIBUTIONS**

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### **Papers in refereed journals**

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#### **Published**

Di Martinelly C., Meskens N., (2017), A bi-objective integrated approach to building surgical teams and nurse schedule rosters to maximise surgical team affinities and minimise nurses' idle time, *International Journal of Production Economics*, 191, pp. 323-334

Di Martinelly C., Baptiste P., Maknoon M., (2014), An assessment of the integration of nurse timetable changes with operating room planning and scheduling, *International Journal of Production Research*, 52(24), pp. 7239–7250

Di Martinelly C., Riane F., Rappold J., Guinet A., (2011), Implémentation d'une armoire automatique de dispensation des médicaments dans un hôpital: une méthodologie pour évaluer la performance, *Logistique & Management*, 19(2), pp. 53-68

Rappold J. A., Van Roo B. D., Di Martinelly C., Riane F., (2011), An inventory optimization model to support operating room schedules, *Supply Chain Forum: An International Journal*, 12(1), pp. 56-69

Roland B., Di Martinelly C., Riane F., Pochet Y., (2010), Scheduling an operating theatre under human resource constraints, *Computers and Industrial Engineering*, 58(2), pp. 212-220

### **Papers in non-refereed journals**

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#### **Published**

Di Martinelly C., Riane F., Guinet A., (2009), A Porter-SCOR modeling approach for the hospital supply chain, *International Journal of Logistics Systems and Management*, 5(3/4), pp. 436-456

### **Communications in refereed conferences**

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#### **International**

Di Martinelly C., Alejandra D., Pham D. K., (2018), *Integration of operating room advance scheduling and allocation scheduling while considering the resource constraints: a multi-objective genetic algorithm approach* International Conference on Information Systems, Logistics and Supply Chain 2018, Lyon, France

Glaize A., Alejandra D., Di Martinelly C., Fagnot I., (2018), *How to improve the patient flow process in outpatient services of a hospital: A problem structuring and lean management approach* IEOM Conference, Paris, France

Pham D. K., Di Martinelly C., Duenas A., (2018), *Discrete Event Simulation for Chemotherapy patient flows* 2nd European Conference on Industrial Engineering and Operations Management, Paris, France

Di Martinelly C., Garonne C., Duenas A., (2017), *The Impact of Health Policy on The Pharmaceutical Supply Chain in France* ISPOR 20th Annual European Congress, Glasgow, United Kingdom

Glaize A., Duenas A., Di Martinelly C., Fagnot I., (2016), *MCDA applied to health care* OR58 Annual Conference, Portsmouth, United Kingdom

Di Martinelly C., Meskens N., (2014), *Building Surgical Team with High Affinities - A Bicriteria Mixed-integer Programming Approach* International Conference on Operations Research and Enterprise Systems, Angers, France

Di Martinelly C., Meskens N., (2014), *Surgical team rostering problem considering break windows: A bicriteria mixed-integer programming approach* Conference of the International Federation of Operational Research Societies, Barcelona, Spain

Di Martinelly C., Meskens N., (2013), *Surgical team rostering taking into account affinities* International Symposium on Operational Research and Applications, Marrakesh, Morocco

Duenas A., Di Martinelly C., (2013), *A compromised programming approach to solve a multi-objective planning and scheduling problem in a hospital* International Symposium on Econometrics Operation Research and Statistic, Sarajevo, Bosnia and Herzegovina

Di Martinelly C., Baptiste P., Maknoon Y., (2012), *Impact assessment of the integration of nurses timetable on the operating theatre planning and scheduling* 4th International Conference on Information Systems, Quebec, Canada

Di Martinelly C., Duenas A., (2012), *Scheduling the operating theatre: a hybrid multi-objective approach* Gestion et Ingénierie des Systèmes Hospitaliers - GISEH 2012 Conference, Quebec City, Canada

Di Martinelly C., Baptiste P., Maknoon Y., (2011), *Evaluation de l'impact de l'intégration de la conception d'horaires infirmiers sur la programmation opératoire* 9e Congrès International de Génie Industriel – CIGI, Quebec, Canada

Di Martinelly C., Baptiste P., Maknoon Y., (2011), *Impact assessment of the integration of nurses timetable on the OR planning and scheduling* Congrès de la Recherche Opérationnelle et d'Aide à la Décision, Saint-Etienne, France

### **National**

Di Martinelly C., Meskens N., Zorman D., (2010), *Mise en place d'un itinéraire clinique pratique au CHU Tivoli* Gestion et Ingénierie des Systèmes Hospitaliers (GISEH), Clermont-Ferrand, France

### **Other conference and seminar presentations**

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### **National**

Glaize A., Duenas A., Di Martinelly C., Fagnot I., (2015), *MCDAs applied to health care decision-making: a systematic review* EUHEA Conference, Paris, France

### **Refereed proceedings**

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#### **Published**

Di Martinelly C., Meskens N., (2014), *Building Surgical Team with High Affinities - A Bicriteria Mixed-integer Programming Approach*, in: Begona Vitoriano, Eric Pinson, Fernando Valente(Eds.) in *Proceedings of the 3rd International Conference on Operations Research and Enterprise Systems, SCITEPRESS, Setúba*

### **Books**

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#### **Published**

Di Martinelly C., Riane F., Guinet A., (2010), *Reengineering of the hospital supply chain*, 978-3-63921488-8, VDM Verlag Dr. Müller, Sarrebruck, 167 pages

### **Chapters in books**

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#### **Published**

Duenas A., Di Martinelly C., Tütüncü Y., Aguado J., (2017), *A multi-objective hospital operating room planning and scheduling problem using compromise programming*, in: Grigori Sidorov, Oscar Herrera-Alcantara(Eds.), *Advances in Computational Intelligence*, 978-3-319-62433-4, Springer, Cham, chapter 10061, pp. 379-390

Duenas A., Di Martinelly C., Tütüncü Y., (2014), *A Multidimensional Multiple-Choice Knapsack Model for Resource Allocation in a Construction Equipment Manufacturer Setting Using an Evolutionary Algorithm*, in: Grabot, B. Vallespir, B. Gomes, S., Bouras, A., Kiritsis, D.(Eds.), *APMS, Part I, Innovative and Knowledge-Based Production Management in a Global-Local World, IFIP AICT 438*, 978-3-662-44738-3, Springer, Berlin, pp. 539-546

Duenas A., Di Martinelly C., Fagnot I., (2013), *An approach based on an Interactive Procedure for Multiple Objective Optimisation Problems*, in: F. Castro, A. Gelbukh and M. Gonzalez(Eds.), *MICAI 2013, Part II. Lecture Notes in Artificial Intelligence*, 0, Springer, Berlin, pp. 450-465

### **Case studies**

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Di Martinelly C., Joliet R., (2013), *Redesigning the Global Supply Chain Network in Fashion Retail: The Esprit Case, or How to Reconcile Operations and Financial Management*, *European Case Clearing House*, case study 113-024-1, teaching note 113-024-8, teaching note supplement 113-024-4

Di Martinelly C., Meskens N., Duenas A., (2013), *Buena Vista Hospital: Operating Room Scheduling, European Case Clearing House*, case study 613-009-1, teaching note 613-009-8

Duenas A., Di Martinelly C., (2013), *Do Not Break that Cup!: The Case of a Pottery Company, European Case Clearing House*, case study 613-036-1, teaching note 613-036-8

Duenas A., Tütüncü Y., Di Martinelly C., (2012), *Buena Vista Go Home Healthy Hospital: A Bed Capacity, European Case Clearing House*, case study 612-034-1, teaching note 612-034-8

Fagnot I., Duenas A., Di Martinelly C., (2012), *Adapting or not Adapting Digitization of Health Information: The Case of England and Summary Care Records, European Case Clearing House*, case study 912-040-1, teaching note 912-040-8

## **Grants**

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2012 Montage de projet, Ministère du développement économique, innovation et exportation (Canada)

## **EDITORIAL ACTIVITY**

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### **Reviewer in an academic journal**

2018 Annals of Operations Research

2017 INFORMS Transactions on Education

2017 Expert systems with applications

2017 Operational research: an international journal

2016 International Journal of Production Economics

2016 european journal of operational research

2015 International Journal of Production Research

2014 International Journal of Logistics

2014 Flexible Services and Manufacturing

2013 European Journal of Operational Research

2013 International Journal of Production Research

2011 Decision Support Systems

2010 International Journal of Production Economics

2009 Production Planning and Control

## **PROFESSIONAL SERVICE**

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### **Chair in an academic conference**

2012 International Conference on Information Systems, Logistics, and Supply Chain, Canada

2012 Gestion et Ingénierie des Systèmes Hospitaliers, Canada

2011 Congrès de la Recherche Opérationnelle et d'Aide à la Décision (ROADEF), France

2010 International Conference on Information Systems, Logistics, and Supply Chain, Canada

### **Member of the scientific committee of an academic conference**

- 2017** ILS 2018
- 2017** Giseh 2018
- 2015** Gestion et Ingenierie des systemes hospitaliers 2016, France
- 2015** International Conference on Information Systems, Logistics and Supply Chain 2016

### **Presentation in a seminar**

- 2016** research seminar with Bart MacCarthy, France

### **Reviewer for an academic conference**

- 2017 - 2018** ILS 2018
- 2013** Latin-American Algorithms, Graphs, and Optimization symposium
- 2012** International Conference on Information Systems, Logistics, and Supply Chain
- 2012** Gestion et Ingénierie des SystEmes Hospitaliers
- 2011** Congres de la Recherche Opérationnelle et d'Aide à la Décision (ROADEF)
- 2010** International Conference on Information Systems, Logistics, and Supply Chain
- 2010** Gestion et Ingénierie des SystEmes Hospitaliers
- International Conference on Information Systems, Logistics and supply chain 2016, France
- Gestion et Ingenierie des systemes hospitaliers 2016, France

### **INSTITUTIONAL SERVICE**

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#### **Member of a recruitment jury (orals)**

- 2016** admission, IÉSEG School of Management, France
- 2015 - 2016** PGP- Msc in business analysis and consulting, IÉSEG School of Management, France

#### **Participation in a pedagogical cafe**

- 2015** CETI, IÉSEG School of Management, France
- 2015** qualite, IÉSEG School of Management, France

#### **Participation in recruitment of professors**

- 2016** operations track, IÉSEG School of Management, France
- 2016** operations track, IÉSEG School of Management, France

#### **Participation in the development of an academic program**

- 2013 - 2014** MSc in Business Analysis and Consulting, IÉSEG School of Management, France

### **Supervision of Ph.D. Thesis:**

- 2016** Co-director, Planification et re-planification des infirmières dans un département d'oncologie en suivant une approche multi-objectif et interdisciplinaire, IÉSEG School of Management
- 2014** Director, Prise de décision en Santé Publique : une approche de décision multicritères