



**Vincent Van Peteghem, PhD**

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## EDUCATION

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- 2006–2010      **Doctor in the Applied Economics, Ghent University.**  
Title PhD: *Multi-mode Resource-Constrained Project Scheduling Problem: Metaheuristic Solution Procedures and Extensions*  
Supervisor: Prof. dr. Mario Vanhoucke
- 2002–2003      **Master in the Management of Public Organizations, Ghent University.**
- 1998–2002      **Master in the Applied Economics - option Technical Business Administration, Ghent University.**

## PROFESSIONAL EXPERIENCE

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- 2014–            **Head of Pedagogical Innovation, EDHEC Business School**
- 2012–            **Associate professor in operations management, EDHEC Business School**
- 2011–2012      **Lecturer in operations management, EDHEC Business School.**
- 2010–2011      **Post-doc researcher, Ghent University, Department of Management Information and Operations Management.**
- 2006–2010      **Assistant - PhD-student, Ghent University, Department of Management Information and Operations Management.**
- 2005–2006      **Junior Researcher, Vlerick Leuven Gent Management School, Operations and Technology Management Centre.**
- 2003–2005      **Assistant, Ghent University, Department of Accountancy and Corporate Finance.**

## PUBLICATIONS

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### Journal publications (peer-reviewed)

- **Van Peteghem, V.** and Vanhoucke, M., 2013, "An Artificial Immune System for the Resource Availability Cost Problem", *Flexible Services and Manufacturing*, 25, 122-144.
- **Van Peteghem, V.** and Vanhoucke, M., 2011, "Using Resource Scarceness Characteristics to Solve the Multi-Mode Resource-Constrained Project Scheduling Problem", *Journal of Heuristics*, 17(6), 705-728
- **Van Peteghem, V.** and Vanhoucke, M., 2010, "A Genetic Algorithm for the Preemptive and Non-preemptive Multi-mode Resource-Constrained Project Scheduling Problem", *European Journal of Operational Research*, 201, 409-418.
- **Van Peteghem, V.** and Vanhoucke, M., 2009, "An Artificial Immune System for the Multi-mode Resource-Constrained Project Scheduling Problem", *Lecture Notes in Computer Science*, 5482, 85-96.
- Christiaens, J. and **Van Peteghem, V.**, 2007, "Governmental accounting reform: evolution of the implementation in Flemish municipalities", *Financial Accountability and Management*, 23, 375-399.

### Under revision in international journal

- Zoraghi N., Shahsavari M., Abbasi B. and **Van Peteghem V.**, "Multi-mode RCPSP with Material Ordering under Bonus Penalty Policies"
- **Van Peteghem, V.** and Vanhoucke, M., 2011, "Introducing Learning Effects in Resource-Constrained Project Scheduling".
- **Van Peteghem, V.** and Vanhoucke, M., 2011, "An Experimental Investigation of Metaheuristics for the Multi-Mode Resource-Constrained Project Scheduling on New Dataset Instances".

### Working papers

- **Van Peteghem, V.** and Vanhoucke, M., "Audit-staff Scheduling with Alternative Audit Teams and Setup Times".
- **Van Peteghem, V.** and Vanhoucke, M., "An Invasive Weed Optimization Algorithm for the Resource Availability Cost Problem".

### Conference proceedings

- **Van Peteghem, V.** and Vanhoucke, M., 2010, "Learning Effects under Different Project Settings", *Proceedings of the 12th International Workshop on Project Management and Scheduling - Tours (France)*, 379-382.

- **Van Peteghem, V.** and Vanhoucke, M., 2008, "A Comparison of Various Populationbased Meta-heuristics to Solve the MRCPSP", Proceedings of the 11th International Workshop on Project Management and Scheduling - Istanbul (Turkey), 282-284.
- **Van Peteghem, V.** and Vanhoucke, M., 2007, "An efficient heuristic procedure for the resource availability cost problem", Proceedings of the 3rd Multidisciplinary international conference on scheduling: theory and applications - Paris (France), 618-620.

## ACADEMIC ACTIVITIES

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### Conference presentations

- **Van Peteghem V.** and Vanhoucke, M., 2012, "An Invasive Weed Optimization Algorithm for the Resource Availability Cost Problem", Paper presented at the 25th European Conference on Operational Research – Vilnius (Lithuania).
- **Van Peteghem, V.** and Vanhoucke, M., 2011, "A Metaheuristic Solution Approach for the Time-Constrained Project Scheduling Problem", Paper presented at the 13<sup>th</sup> INFORMS Annual Meeting, Charlotte (USA).
- **Van Peteghem, V.** and Vanhoucke, M., 2010, "An Experimental Investigation of Meta-heuristics for the Multi-mode Resource-constrained Project Scheduling on new Dataset Instances", Paper presented at the 24th European Conference on Operational Research – Lisbon (Portugal).
- **Van Peteghem, V.** and Vanhoucke, M., 2010, "Audit-staff Scheduling with Alternative Audit Teams and Setup Times", Paper presented at the 24th European Conference on Operational Research – Lisbon (Portugal)
- **Van Peteghem, V.** and Vanhoucke, M., 2009, "An Artificial Immune System for the Multi-mode Resource-Constrained Project Scheduling Problem", Paper presented at the 9th European Conference on Evolutionary Computation in Combinatorial Optimization – Tubingen (Germany)
- **Van Peteghem, V.** and Vanhoucke, M., 2009, "Introduction of Learning Effects in Resource-constrained Projects", Paper presented at the 23th European Conference on Operational Research – Bonn (Germany)
- **Van Peteghem, V.** and Vanhoucke, M., 2007, "A Genetic Algorithm for the Multi-Mode Resource-constrained Project Scheduling Problem", Paper presented at the 22nd European Conference on Operational Research – Prague (Czech Republic)
- Christiaens, J. and **Van Peteghem, V.**, 2005, "Government reforms: consequences for determining the Financial Equilibrium", Paper presented at the 10th CIGAR Conference – Poitiers (France)

## Research stay

Department of Control Engineering of the Czech Technical University (Prague, Czech Republic) – May 2012

Department of Control Engineering of the Czech Technical University (Prague, Czech Republic) - 23 May – 25 June 2011

Development of a metaheuristic for a planning problem with alternative process plans  
Supervision Prof. dr. Zdenek Hanzalek

## TEACHING EXPERIENCE

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### Operations management

- Information Systems and Operations Management (18h - EDHEC Lille - M1)
- International operations management (30h – EDHEC Lille - MSc Global Business)
- Operations Management and Performance (24h - EDHEC Lille - MSc Strategic and Organizational Consultancy)
- Operations management (15h – Apprenticeship EDHEC Paris)

### Project management

- Project management (15h – Apprenticeship EDHEC Paris)

### Decisions Sciences

- Decision Sciences (18h – Elective – EDHEC Lille – M1)

### Total Quality Management

- Total Quality Management (18h – ESPEME Lille – 4 IBM)

## LANGUAGES

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- Dutch: Mother tongue
- English: Very good
- French : Good

## MISCELLANEOUS

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- Supervision of dissertations
- Ad-hoc reviewer Computer and Operations Research, Applied Mathematics and Computation and Annals of Operations Research
- EVA Europe Conference Ghent 2010: Member Local Organizing Committee