

	<p style="text-align: center;"><b>Cédric Verbeek, PhD</b>          Professor – Specialty: Operations &amp; Supply Chain          Co-Director of the MSc in Data Analytics          and Artificial Intelligence</p> <p style="text-align: center;">Tel.: + 33 (0)3 20 15 44 21</p> <p style="text-align: center;">E-mail : <a href="mailto:cedric.verbeek@edhec.edu">cedric.verbeek@edhec.edu</a></p>
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Cédric studied business engineering with a specialization in operations management at Ghent University. During his master thesis he became acquainted with the field of operations research and more in particular with scheduling problems. As a doctoral student of Ghent University, he conducted research on vehicle routing problems suffering from congestion, and tested his solution methods in practice. Afterwards he engaged in a post-doctoral collaboration project with ArcelorMittal Ghent, which aimed at improving the line planning scheduling software of the continuous steel caster. Currently, he is a professor in Operations Management and co-director of the MSc in Data Analytics and Artificial Intelligence.

## EDUCATION

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- 2000-2006    **Secondary education: Greek-Mathematics**  
 St. Bernardus College Oudenaarde  
 Magna cum laude
- 2006-2009    **Bachelor: Commercial engineer**, Ghent University  
 Honours
- 2009-2011    **Master: Commercial engineer: Operational Management**  
 Ghent University  
 Magna cum laude  
 Master thesis: *Heuristics for the Time-Constrained Project Scheduling Problem (TCPSP)*  
 Supervisors: Mario Vanhoucke, Vincent Van Peteghem  
 Description: A metaheuristic solution procedure is developed for the Time-Constrained Project Scheduling Problem, a project scheduling problem in which additional resources can be temporarily allocated to meet a given deadline
- 2011-2016    **Doctor of engineering**, Ghent University  
 PhD thesis: *Optimizing Practical Orienteering Problems with Stochastic Time-Dependent Travel Times: towards Congestion Free Routes*  
 Supervisors: El-Houssaine Aghezzaf, Pieter Vansteenwegen  
 Description: Logistics companies need to determine which customers to visit, the best order to visit these customers and how to assign the customers to the

available vehicles. Moreover, they have to take into account congestion issues: the travel time between two customers will vary significantly during the day. This problem of optimizing the schedule for a fleet of vehicles can be modelled by a time-dependent orienteering problem. Efficient solution methods were developed to solve these kinds of problems.

2009      **Base Programming SAS 9**, SAS Belgium

## EXPERIENCE

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2021-      **Co-Director of the MSc in Data Analytics and Artificial Intelligence**  
EDHEC, Lille

2017-      **Assistant Professor, Operations & Supply Chain.** EDHEC, Lille

2016-2017    **Post-doctoral researcher**, Ghent University, Ghent  
Collaboration with ArcelorMittal Gent

2013-2016    **PhD student: IWT fellow**, Ghent University, Ghent

2012-2013    **PhD student**, Ghent University, Ghent

2011-2012    **Assistant**, Ghent University, Ghent

## PUBLICATIONS

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### Journal Publications

#### 2019

• Guansheng, P., Dewil, R., Verbeeck, C., Gunawan, A. Xing, L. "Agile earth observation satellite scheduling: An orienteering problem with time-dependent profits and travel times," *Computers & Operations Research*, 111, 84-98.

• De Keyser, A., Köcher, S., Alkire (née Nasr), L., Verbeeck, C., and Kandampully, J. (2019), "Frontline Service Technology Infusion: Conceptual Archetypes and Future Research," *Journal of Service Management*, 30(1), 156-183.

#### 2017

• Verbeeck, C., P. Vansteenwegen, and E.-H. Aghezzaf, "A fast solution method for the Time-Dependent Orienteering problem with Time Windows". In: *Annals of Operations Research*, pp. 1–20.

#### 2016

• Verbeeck, C., Vincent Van Peteghem, Mario Vanhoucke, P. Vansteenwegen, and E.-H. Aghezzaf, "A Metaheuristic Solution Approach for the Time-constrained Project Scheduling Problem". In: *OR Spectrum* doi:10.1007/s00291-016-0458-7, pp. 1–19.

- Verbeeck, C., P. Vansteenwegen, and E.-H. Aghezzaf, “Solving the Stochastic Time-Dependent Orienteering Problem with Time Windows”. In: European Journal of Operational Research 255.3, pp. 699–718.

#### **2014**

- Verbeeck, C., K. Sörensen, E.-H. Aghezzaf, and P. Vansteenwegen, “A fast solution method for the time-dependent Orienteering Problem”. In: European Journal of Operational Research 236 (2), pp. 419–432.
- Verbeeck, C., P. Vansteenwegen, and E.-H. Aghezzaf, “An extension of the arc orienteering problem and its application to cycle trip planning”. In: Transportation Research Part E 68, pp. 64–78.

#### **Conference Publications**

#### **2015**

- Verbeeck, C., E.-H. Aghezzaf, and P. Vansteenwegen, “Solving the stochastic time-dependent orienteering problem with time windows”. In: 6th International Workshop on Freight Transportation and Logistics (Odysseus 2015). Ajaccio, France.

#### **2014**

- Van Peteghem, V. and C Verbeeck, “A metaheuristic solution approach for the time-constrained project scheduling problem”. In: 14th International Conference on Project Management and Scheduling (PMS 2014). Munich, Germany.
- Verbeeck, C., E.-H. Aghezzaf, and P. Vansteenwegen, “Solving the stochastic time-dependent orienteering problem”. In: 10ème Conférence Internationale Francophone de Modélisation et Simulation (MOSIM '14). Nancy, France.
- Verbeeck, C., P. Vansteenwegen, and E.-H. Aghezzaf. “Solution methods for the cycle trip planning problem”. In: 28th Annual conference of the Belgian Operations Research Society (ORBEL). Mons, Belgium.
- Verbeeck, C., P. Vansteenwegen, and E.-H. Aghezzaf. “The orienteering problem with time-dependent stochastic travel times”. In: Third meeting of the EURO Working Group on Vehicle Routing and Logistics Optimization (VeRoLog 2014). Oslo, Norway.

#### **2013**

- Verbeeck, C., E.-H. Aghezzaf, and P. Vansteenwegen. “A fast solution method for the time-dependent orienteering problem with time windows”. In: 6th Multidisciplinary International Conference on Scheduling: Theory and Applications (MISTA-2013). Ghent, Belgium.
- Verbeeck, C. and P. Vansteenwegen. “Solution methods for the time-dependent orienteering problem”. In: Eighth Triennial Symposium on Transportation Analysis (TRISTAN 2013). San Pedro de Atacama, Chile.

## 2012

- Verbeeck, C. and P. Vansteenwegen. “Comparing metaheuristics for the timedependent orienteering problem”. In: 25th European Conference on Operational Research (EURO). Vilnius, Lithuania.
- Verbeeck, C. and P. Vansteenwegen. “Congestion avoidance: optimization of vehicle routing planning for the logistics industry”. In: 26th Annual Conference of the Belgian Operations Research Society (ORBEL), Brussels, Belgium.
- Verbeeck, C. and P. Vansteenwegen. “Metaheuristics for the time-dependent orienteering problem”. In: First Annual Conference of the EURO Working Group on Vehicle Routing and Logistics Optimization (VeRoLog 2012), Bologna, Italy.

## TEACHING EXPERIENCE

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### Undergraduate level

- 2017- 2019 Operations Management: IT and Logistics - EDHEC Business School  
2017- Operations Management: Purchasing and Supply Chain - EDHEC Business School  
2018-2019 Quality and Processes - EDHEC Business School  
2018-2019 Global Network Design - EDHEC Business School  
2018-2019 Inventory and Logistics - EDHEC Business School

### Graduate level

- 2019- Operations Research- EDHEC Business School  
2019- Sustainable Operations and Supply Chain- EDHEC Business School  
2018- Customer Analytics- EDHEC Business School  
(co-lectured with dr. A. De Keyser)  
2018-2019 Customer Intelligence, - EDHEC Business School  
(co-lectured with dr. A. De Keyser)  
2018- Supply Chain Analytics - EDHEC Business School  
2016-2019 Supply Chain - EDHEC Business School  
2016- Operations Management - EDHEC Business School  
2016-2019 Operational Excellence - EDHEC Business School  
2012-2015 Quality management and Industrial Statistics - Ghent University  
(support lectures as assistant)  
2011-2012 Design of Manufacturing and Service Operations - Ghent university  
(support lectures as assistant)  
2011-2014 Methods Engineering and Work Measurement - Ghent University  
(support lectures as assistant)

## LANGUAGES

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- Dutch - Native Mother Tongue
- English - Fluent Daily practice, all work performed in English
- French - Average
- Spanish - Notions
- German - Notions

## SKILLS

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### Programming

- C++, R, LaTeX, SAS, Java, HTML, SQL

### Software

- Office, Adobe Photoshop, SPSS, Mathematica, Minitab