Nico André Schmid

Curriculum Vitae

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Education

11/2016 – now	**Doctor of Business Economics (Ph.D.), Exp. graduation: Summer 20**, *Ghent University, Belgium*, Working title of dissertation: Managing complex assembly lines: simultaneously solving line balancing and feeding problems, Adviser: Prof. Veronique Limère.
04/2013 – 09/2015	**Industrial Engineering (M. Sc.)**, *University of Duisburg-Essen, Germany*, Title of master thesis: Complexity Considerations with respect to the permutation Flow-Shop-Scheduling-Problem with CTDVB2 objective (written in German), Adviser: Prof. Rainer Leisten.
03/2010 – 02/2013	**Industrial Engineering (B. Eng.)**, *Rheinische Fachhochschule Cologne, University of Applied Sciences, Germany*, Title of bachelor thesis: Identification of the required warehouse capacity for a pharmaceutical company (written in German), Adviser: Prof. Alexander Pollack.

Professional Appointments

01/2019 – 11/2019	**Visiting Researcher**, *Georgia Institute of Technology, USA.* Collaborating with: Prof. Benoit Montreuil
08/2015 – 10/2016	**Teaching and Research Assistant**, *Philipps-University Marburg, Germany*, Adviser: Prof. Ingrid Göpfert.

Grants

10/2018	***Grant for a long stay abroad***, *Approximate value: 10,000€*, Granting institution: Flemish Science Foundation (FWO).
07/2018	***Ph.D. grant for up to three years including a stay abroad***, *Approximate value: 150,000€*, Granting institution: Flemish Science Foundation (FWO).

Publications

Schmid, N.A., Limère, V., *A classification of tactical assembly line feeding problems*, International Journal of Production Research 57(24), 7586–7609.

Schmid, N.A., Limère, V. Raa, B., *Modeling variable space in assembly line feeding*, IFAC-PapersOnLine 51 (11), 164-169.

Wijnant, H. Schmid, N.A. Limère, V., *The influence of line balancing on line feeding for mixed-model assembly lines*, in: Book of abstracts 32nd annual European Simulation and Modelling.

Göpfert, I., Grünert, M., Schmid, N.A., Logistical networks of the future - the new relationship of OEMs and suppliers in the automotive industry (German), in: Logistics for the future, 7th Edition, Springer 2016.

Conferences presentations

Simultaneously optimizing assembly line feeding and assembly line balancing, *Coauthors: Montreuil, B., Limére, V.*, at: 34nd annual conference of the Belgian Operational Research Society, 01/2020, Lille, France.

Incorporating assembly line balancing into assembly line feeding decision making, *Coauthors: Montreuil, B., Limére, V.*, at: INFORMS Annual Meeting, 10/2019, Seattle, USA.

Improving the solvability of time and space constrained assembly line balancing problems type E, *Coauthor: Limére, V.*, at: Canadian Operational Research Society 61st Annual Conference, 05/2019, Saskatoon, Canada.

Modeling variable space in assembly line feeding, *Coauthors: Limére, V., Raa, B.*, at: 16th IFAC Symposium on Information Control Problems in Manufacturing, 06/2018, Bergamo, Italy.

Optimizing line feeding under consideration of variable space constraints for mixed-model assembly lines, *Coauthor: Limére, V.*, at: 32nd annual conference of the Belgian Operational Research Society, 02/2017, Liége, Belgium.

Line feeding with variable space constraints for mixed-model assembly lines , *Coauthor: Limére, V.*, at: International Conference on optimization and decision sciences, 09/2017, Sorrento, Italy.

The assembly line feeding problem: classification and literature review, *Coauthor: Limére, V.*, at: 31st annual conference of the Belgian Operational Research Society, 02/2017, Brussels, Belgium.

Teaching Experience

Fall 2019/2020	**Warehousing Systems**, *Georgia Institute of Technology*, Guest lectures on complex assembly systems, approx. 30 Students.
Fall 2018/2019	**Operations Management**, *Ghent University*, Teaching Assistant, Exercise Course, approx. 200 Students.
Fall 2017/2018	**Operations Management**, *Ghent University*, Teaching Assistant, Exercise Course, approx. 180 Students.
Spring 2016	**Scientific Writing**, *Marburg University*, Seminar, 16 Students.
Spring 2016	**Cost-Benefit Accounting**, *Marburg University*, Teaching Assistant, Exercise Course, approx. 300 Students.
Fall 2015/2016	**Logistics**, *Marburg University*, Teaching Assistant, Exercise Course, approx. 200 Students.
08/2015 – now	**Supervision of theses**, *Bachelor and Master theses*, 5 Bachelor theses and 14 Master theses.

Theses Supervision (selection)

Mugisha A.	**Evaluation of data sets requirements for assembly line feeding problems – building a framework for a data set database**.

Bulkmans, E.	**Case study on assembly line feeding – comparison and analysis of theoretical and industrial decisions**.
Popelier, L.	**Balancing disassembly lines by consideration of tools and limited space**.
v. d. Broeke, J.	**Scheduling the provision of parts to assembly lines**.
Wijnant, H.	**The influence of line balancing on line feeding for mixed-model assembly lines**.
De Smaele, V.	**Automation of the logistics flow from warehouse to assembly line**.

Academic Service

08/2019 – now	**Reviewer**, *International Journal of Production Research*.
05/2019	**Conference sessions chair**, *Service and Operations Management I*, Canadian Operational Research Society 61st Annual Conference, Saskatoon, Canada.
03/2016	**Tenure track evaluation committee member**, *Prof. Seo-Young Cho*, Marburg University.

Doctoral Courses

Advanced Combinatorial Optimization, *Georgia Institute of Technology*.

Summer school on Column Generation, *Paris, Organized by: GERAD*.

Combinatorial Optimization and Local Search Techniques, *KU Leuven*.

Optimization: Special Topics, *KU Leuven*.

Competences for teaching at universities, *Center for didactics in higher education*.

21st International PhD Candidates Workshop, *8th International Scientific Symposium on Logistics*.

Law and Economics of Intellectual Property Rights Workshop, *Philipps-University Marburg*.

Computer Skills

Mathematical programming	AIMMS (good), CPLEX (good), Gurobi (excellent), Mathematical Programming Language (basic)
Constraint programming	AIMMS (good), CP Optimizer (good)
Programming	C++ (good), Python (basic), R (good), VBA (basic)
Web development	HTML (basic), CSS (basic), JavaScript (basic)
Typesetting	LaTeX (excellent)
Data Processing	Microsoft Office and Windows (excellent)

Languages

German	native
English	fluent
Dutch	basic knowledge

Russian	basic knowledge

Professional Memberships

2019 – now	Canadian Operational Research Society (CORS)
2019 – now	Institute for Operations Research and the Management Sciences (INFORMS)
2018 – now	The OR Society
2016 – now	The Belgian Operational Research Society (ORBEL)

Ghent, 24th Mar, 2020