



Chaïm De Mulder

Experience

15/10/2015–
present **PhD Candidate**, *Ghent University, Faculty of Bioscience engineering, Department of Data Analysis and Mathematical Modeling, BIOMATH group (Model based bioprocess analysis and optimisation).*



Project

Model-based decision support, knowledge build-up and advanced modeling of the Wastewater Treatment Plant of Eindhoven, The Netherlands, in close collaboration with the operators (Waterboard De Dommel).

15/10/2014–
15/10/2015 **Research Assistant**, *Ghent University, Faculty of Bioscience engineering, Department of Data Analysis and Mathematical Modeling, BIOMATH group (Model based bioprocess analysis and optimisation).*



Projects

- Coupling a hydrodynamic model (using CFD) and a biokinetic model (using established wastewater treatment models) for the Wastewater Treatment Plant of Breda, The Netherlands.
- Implementing a model for the simulation of the High Rate Activated Sludge Process, based on two previously described models.

15/7/2013–
6/9/2013 **Internship in combination with master thesis**, *DC Water, Research and Development Department, Washington DC, USA.*

5/7/2012–
31/8/2012 **IAESTE Internship**, *Aalto University, Department of Biotechnology and Chemical Technology, Espoo, Finland.*

IWA involvement.



- Active YWP member in the board of directors of the Belgian branch of IWA (BIWA), 2015–present
- Organising Committee member of the IWA YWP Benelux Conference, Gent, Belgium, July 2017

Education

2012–2014 **Master in Bio-Science Engineering: Environmental Technology**, *Ghent University.*

2009–2012 **Bachelor in Bio-Science Engineering: Environmental Technology**, *Ghent University.*

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Born 27/3/1991 in Ghent

Extra-curricular



IAESTE

IAESTE

(International Association for the Exchange of Students for Technical Experience)

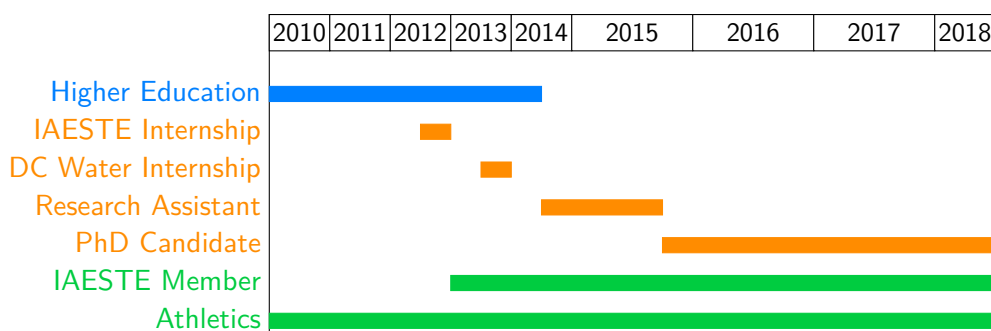
- 2017–2018 **Connect Region Project Coordinator:** Member of the Regional Management team of western Europe, day-to-day management of regional affairs. Responsible for several projects with participants from across the region.
- 2016–2017 **LC Ghent Exchange Coordinator:** Board member of the Local Committee of Ghent, day-to-day management of a 25-person team of students. Responsible for international internship exchange and networking, jobraising.
- 2015–2016 **LC Ghent Vice-President & Summer Reception Officer:** General support on local level (team management) and within international IAESTE groups (Region of western Europe). Jobraising and organizing activities for incoming trainees.
- 2014–2015 **LC Ghent supporting member & Summer Reception Officer:** Design of PR materials, presenting IAESTE to companies, jobraising. Organizing activities for incoming trainees.
- 2013–2014 **LC Ghent Secretary:** Responsible for meeting reports, jobraising.

Sports and general interests

- 2006–present Athletics (recreational and competition), music, board games, climate related, environmental and social issues, Nordic culture

Skills

- Software
- o Advanced: WEST (Mike by DHI), Python, GitHub, \LaTeX
 - o Basic: MS Office, OpenFOAM, Matlab - Simulink, Inkscape, Drupal, command line tools
- Soft skills
- o Social and open-minded
 - o Enthusiastic, engaged, motivated
- Languages
- o Native: Dutch
 - o Fluent: English
 - o Basic: French, Swedish



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