

## dr. ir. Joris Wieme

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### PERSONAL INFORMATION

Joris Wieme  
*Date of birth:* 15/08/1980  
*Marital status:* Married, 3 children  
*Tel:* +32 (0) 477/671044

### DEGREES

#### **Ghent University**

- 2003-2007, PhD in chemical engineering, Chemical technology and technical chemistry  
*"Microkinetic modeling of structural properties of poly(vinyl chloride)"*
- 1998-2003, Chemical Engineering, M. Sc. Chem. Eng.

#### **Sint-Lievenscollege Ghent**

1992-1998, ASO, Science-Mathematics

### ADDITIONAL EDUCATION

#### **Internships:**

- 2002: ExxonMobil, Antwerp refinery, 'Optimization distillation column'
- 2001: Sidmar NV, hot strip mill unit, 'Analysis of structural defects formation on iron plates'

### PROFESSIONAL CAREER

#### **Ghent university**

2024-now: "visiting Professor"  
Course 'Procestechniek'. 1 semester, 60hrs, engineering students 3<sup>rd</sup> bachelor  
Chemical Technology and Material Sciences

#### **BASF**

2022-now: "Technology manager Propylene Oxide"  
As technology manager of the BASF/DOW joint venture propylene oxide plant in Antwerp I am responsible for all technology related topics of the HPPO process such as catalyst deployment, carbon footprint reduction,...

#### **Shell Catalysts & Technologies Belgium/ CRI Catalyst Company Belgium NV**

2019-2022: "Technical manager"

The technical manager was responsible for leading the process engineering and quality assurance group at the Ghent catalyst manufacturing plant. This team handles the day-to-day product testing (QA/QC), supports plant issues, manages ISO standards,... The process engineering group within this team is responsible and accountable for the development of a project portfolio aiming at both growth of the catalyst production plants and refreshing the ageing assets.

2017-2019: "Production manager"

The production manager provides senior leadership and direction to the production and logistics team, enabling the Ghent site to achieve HSSE, business, community and personal objectives. The production manager was responsible for all the production activities for a 24/7 catalyst manufacturing plant, comprising day-to-day coordination of production and logistics, driving

short an long term optimization processes for each production line, ensuring compliance with all applicable standards and managing the production team (65+ people).

2011-2017: "Process engineering team lead"

The process engineering team lead was responsible for the process engineering department at the CRI production site in Ghent. This department scopes, designs and evaluates the feasibility of all plant change projects.

The process control and automation activities were also included within this department.

#### **Det Norske Veritas**

2009-2011: " Safety and risk management consultant"

As safety and risk management consultant I was involved in several risk management projects within the (petro)chemical sector:

- Quantitative risk analysis (QRA) related to safety reports,
- Hazard identification by means of HAZOP, SWIFT and HAZID studies,
- Bow Tie analysis of accident scenarios,
- Asset risk management: SIL classification and implementation of RBI techniques,
- Provide training on the subject of risk mitigation.

#### **FWO Vlaanderen**

2007-2009: "Postdoctoral researcher"

Topic: Linking transfer phenomena and intrinsic kinetics for free radical polymerization processes

2003-2007: "Doctoral researcher"

Topic: Microkinetic modelling of structural properties of poly(vinyl chloride)

#### **Ghent University**

2003-2009: Responsible for practical sessions of the following courses:

- *Chemical Reactors* (master chemical engineering)
- *Water treatment techniques* (master chemical engineering)
- *Physical-chemical processes of environmental sanitation* (master bio-engineering)
- *Heat and mass transfer* (bachelor chemical engineering)
- *Chemistry II* (bachelor chemical engineering)