Curriculum Vitae Dagmar R. D'hooge

1) Name, address :

D'hooge Dagmar R. (°1983)
Laboratory for Chemical Technology (LCT) and Centre of Textile Science and Engineering (CTSE)
Department of Materials, Textiles and Chemical Engineering, B-9052 Zwijnaarde, Ghent
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2) Academic career:

- 2017: visiting associate professor at ***Stanford University***, California, USA
- 2017: ***Associate professor at Ghent University***, Belgium
  Lecturing courses on polymer engineering and physics.
- 2014: Assistant professor, Ghent University
- 2013: postdoctoral researcher, ***Karlsruhe Institute of Technology***, Germany
- 2012: FWO Flanders (National Science Foundation) postdoctoral researcher: 2 terms
- 2011: postdoctoral researcher, ***Carnegie Mellon University***, Pittsburgh, USA
- 2007 – 2010: IWT Chemical Engineering PhD student, Ghent University, Belgium

3) Research topics:

polymer technology and engineering, polymerization kinetics, multi-scale modeling, model-based design toward functional materials including fibers, polymer chemistry, polymer recycling, sol-gel synthesis, extrusion, sensors, polymer flow, …

4) Awards:

- Cover articles for Advanced Functional Materials (2018 and 2019), Polymer Chemistry (2015 and 2017), Macromolecular Rapid Communications (2015), and Macromolecular Reaction Engineering (twice in 2013)
- Best of Macromolecular Journals in 2012, 2013, and 2017 (top 9 of 1300 manuscripts)
- Solvay award Chemistry (2006)

5) Leading function in research:

- Research team: 2 post docs, 15 PhD students, and 2 undergraduate students.
- Promotor of 15 Master theses.
- Attracted ~ 5 million euro of research funds since 2015 via competitive schemes from National Science Foundation, bilateral agreements, and European Commission.
- Presented > 100 lectures at (inter)national conferences and > 10 speaker at advanced schools.
- Panel member for IWT polymer technology scholarships in 2015 and 2016
- Panel member for Flemish industrial funding for polymer technology (2014, 2016, 2017, and 2019)
- Invited member of the International Union of Applied Chemistry (IUPAC), Polymer Division
- ERC starting grant runner-up 2015

6) Scientific output:

- peer-reviewed full length research articles: 80; co-author of 1 book; co-author of 3 book chapters; 1 accepted patent.

7) 5 representative publications

- D.R. D'hooge, …, K. Matyjaszewski 'Kinetic modelling of ICAR ATRP' Macromolecular Theory Simulations, 2012, 21, 52-69; SCI-IF (2014): 1.7; times cited: 61.
- D.R. D'hooge* et al. 'Model-based design of the polymer microstructure: bridging the gap between polymer chemistry and engineering', Polym. Chem. 2015, 6, 7081; SCI-IF 2014: 5.5; times cited: 36
- D.R. D'hooge* et al. 'The strength of multi-scale modelling to unveil the complexity of radical polymerization', Progress in Polymer Science 2016, 58, 59; SCI-IF (2015): 27.2; times cited: 54.
- S.K. Fierens, …, J. F Lutz, D. R. D'hooge* 'Model-based design to push the boundaries of sequence control' Macromolecules 2016, 49, 9336-9344 (SCI-IF 2015: 5.6); times cited: 21
- L. Duan, …, D.R. D'hooge* 'Designing formulation variables for extrusion-based manufacturing of carbon black conductive polymer composites for piezoresistive sensing' Composites Science & Technology 2019, 171, 78 (SCI-IF 2017: 5.2)