

Veronique Van Speybroeck

Short Curriculum Vitae

Contact Information : Center for Molecular Modeling (CMM), Ghent University,
Technologiepark 46, 9052 Zwijnaarde, Belgium, Tel : 0032-9-2646558
E-mail : veronique.vanspeybroeck@ugent.be

Current Professional Affiliation:

Full professor and Head of the Center for Molecular Modeling (CMM), Ghent University, Belgium. URL: molmod.ugent.be



Short biosketch

Veronique Van Speybroeck (°30/08/1974) is full professor at the Ghent University within the Faculty of Engineering and Architecture, since October 2012. She also holds a position as Research Professor at the Ghent University since October 2007.

She graduated as engineer in physics at the Ghent University in 1997 and obtained her Ph.D in 2001 on a subject dealing with theoretical simulations of chemical reactions with static and dynamical approaches under the supervision of Prof. M. Waroquier. She is one of the founding members of the Center for Molecular Modeling (CMM, <http://molmod.ugent.be>), which is now composed of about 40 researchers. Since 2012, she is leading this center and is responsible for daily operation including organizational, logistics and personnel affairs. Within the CMM, she is scientifically leading the Computational Molecular Modeling division, consisting of 6 postdoctoral researchers, 18 PhD students and 5-10 Master students (on a yearly basis)

After her PhD she received a postdoctoral fellowship from the National Fund for Scientific Research Flanders and had the possibility to travel to various foreign institutes for short periods. In 2011 she was awarded the laureate of the Royal Academy for Science and the Arts of Belgium. She is recipient of two flagship grants from the European Research Council: a Starting Grant in 2010 and a Consolidator Grant in 2015. Within the framework of the first ERC grant, she built up a large expertise in first principle kinetics in nanoporous materials. Her current research interests focus on first principle molecular dynamics simulations of complex chemical transformations in nanoporous materials, for which she received an ERC Consolidator grant in 2015.

Van Speybroeck is author or co-author of about 350 peer-reviewed scientific papers. Many of these papers were published in the highest ranked journals such as Nature Chemistry, Nature communications, Journal of the American Chemical Society, Science, Chemical Society Reviews, Angewandte Chemie – International Edition.... Her work received about 10700 citations so far with a Hirsch index of 55. The scientific work was furthermore disseminated by numerous invited and plenary talks on international conferences and prominent research institutes. Van Speybroeck is so far promotor of 30 successfully defended PhD students.

She is also an elected member of the Royal (Flemish) Academy for Science and the Arts of Belgium (KVAB, www.kvab.be). Furthermore she participates in various activities to enhance the impact of science on society. From 2012-2017, she was member of the STEM-platform which was installed by the Flemish government to promote Science, Technology, Engineering and Mathematics training and careers. Van Speybroeck serves on many boards and panels for research.