Date of Birth: 27 July 1968 Nationality: Belgian Place of Birth: Aarschot, Belgium

Professor Bert M. Weckhuysen

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EDUCATION AND PROFESSIONAL CAREER

- 2018-to-date, Distinguished University Professor of Utrecht University (The Netherlands)
- 2012-2017, Distinguished Professor of the Faculty of Science at Utrecht University (The Netherlands)
- 2000-to-date, Full Professor of Inorganic Chemistry and Catalysis at Utrecht University (the Netherlands)
- 1997-2000, Research Fellow of the Belgian National Science Foundation at KULeuven (Belgium)
- 1995-1997, Postdoctoral Fellow at Texas A&M University (USA) and Lehigh University (USA)
- 1995, Ph.D. Degree at Leuven University (KULeuven) (Belgium)
- 1991, Master Degree at Leuven University (KULeuven) (Belgium)

SCIENTIFIC ACCOMPLISHMENTS

- Scientific Director of the
  - Advanced Research Center Chemical Building Blocks Consortium (ARC CBBC) (2016-to date)
  - Netherlands Center for Multiscale Catalytic Energy Conversion (MCEC) (2014-to date)
  - SmartMix research program on Biomass Catalysis funded by the Dutch government and chemical industries (CatchBio) (2006-2016)
  - Dutch Research School for Catalysis (NIOK) (2003-2013)
- Serves/served on the editorial and/or advisory board of 15 scientific journals, including *The Journal of Catalysis*, *Chemical Society Reviews* and *Angewandte Chemie*.
- Elected member of the European Academy of Sciences, the Royal Netherlands Academy of Sciences and Arts and the Royal Flemish Academy of Belgium for Sciences and Arts
- Member of the Scientific Advisory Board of a.o. the Max Plank Institute for Chemical Energy Conversion (Germany), Cardiff Catalysis Institute (UK), Center for Catalysis and Surface Science of Northwestern University (USA) and State Key Laboratory of Catalysis in Dalian (China)
- Knight in the Order of the Dutch Lion

SCIENTIFIC OUTPUT AND HONORS

- Author and co-author of ~ 425 peer-reviewed articles in scientific journals
- Web of Science (January 4 2019) ~ 25,800 citations, with an average number of citations per paper of ~ 49
- Hirsch index of 83 (Web of Science, January 4 2019)
- 11 patents or patent applications
- Editor or co-editor of three scientific books and author of 31 book chapters
- 56 PhD students graduated under his supervision at Utrecht University in the period 2000-2018
- Obtained prestigious scientific prizes, including the Gold Medal from the Royal Dutch Chemical Society, the DECHEMA Award from The Max Buchner Research Foundation, the Netherlands Catalysis and Chemistry Award, the Eminent Visitor Award of the Catalysis Society of South Africa, the Paul H. Emmett Award in Fundamental Catalysis of the North American Catalysis Society, the International Catalysis Award of the International Association of Catalysis Societies, the Vladimir N. Ipatieff Lectureship in Catalysis from Northwestern University, the John Bourke Award from the Royal Society of Chemistry, the Spinoza Award from the Netherlands Organization for Scientific Research, the Kozo Tanabe Prize in Acid-Base Catalysis from the International Acid-Base Group and the Robert B. Anderson Award from the Canadian Catalysis Society.

RESEARCH TOPICS

- Development and use of advanced spectroscopic and microscopy methods applied on heterogeneous catalysts during preparation and real operation (i.e., the operando mode) in order to develop structure-activity relationships for catalytic processes
- Catalytic conversion of fossil resources (i.e., crude oil and natural gas) as well as renewables, including biomass, municipal waste and CO_2, to transportation fuels, (bulk) chemicals and materials