

**Institut of Process Engineering  
Chair of Mechanical Process Engineering**



Lehrstuhlleiter/-in

**Prof. Berend van Wachem**

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Berend van Wachem obtained his MSc and PhD degree at Delft University of Technology (NL) on the modelling of dense gas-solid flows. After spending a number of years as a lecturer in Sweden, he joined the Department of Mechanical Engineering of Imperial College London (UK) in 2008. After becoming a full professor at Imperial in 2015, in 2018 he became the Chair of the Mechanical Process Engineering group at the Otto-von-Guericke University in Magdeburg (Germany).

Berend van Wachem's research work focuses on developing and employing modelling methods and experimental validation applicable to particle technology, multiphase flow and fluid dynamics. He works on developing and employing closure models describing the fluid-phase, particle-phase, and their interactions for dense gas-solid flows combined with dedicated experimental validation.

It is Berend van Wachem's belief that, in order to fundamentally understand the behaviour of multiphase flows, the flow of particles and their interactions, a much better insight in the physical processes at all length and time scales is required. The research of Berend van Wachem aims at fundamentally understanding the physical behaviour, by focusing on the appropriate scales, and trying to integrate concepts developed and employed at one scale with other scales.

Berend van Wachem on Google Scholar. > <http://scholar.google.co.uk/citations?hl=en&user=onTTrocAAAAJ>

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Berend van Wachem on Researchgate. > [https://www.researchgate.net/profile/Berend\\_Wachem](https://www.researchgate.net/profile/Berend_Wachem)

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