

## CELEST Member Short Profile



### Robert Güttel

Robert Güttel is director of the Institute of Chemical Engineering at Ulm University since 2015 and leads the group of Chemical Reaction Engineering. His scientific interests are at the edge of chemical reaction engineering and heterogeneous catalysis with emphases on investigation of syngas reactions for chemical storage and utilization of renewable hydrogen. Focus is on investigation of the dynamics of catalytic systems by means of experimental methods and reactor modeling and simulation.

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Research areas		
Heterogeneous catalysis, chemical reaction engineering, dynamic process operation, nanostructured catalysts, multiphase chemical reactors, chemical energy storage, hydrogen storage and utilization		
Lab equipment		
Test rigs for continuous 24/7 operation up to 25 bar and 400 °C in the field of heterogeneous catalysis; gas chromatographs, mass spectrometers, chemisorption and physisorption equipment; autoclaves, centrifuges, lab furnaces; high speed infrared camera		
Robert Güttel @ Chemical Engineering	Link Chemical Engineering	Link lab equipment
<a href="https://www.uni-ulm.de/nawi/institute-of-chemical-engineering/members/professor-guettel/">https://www.uni-ulm.de/nawi/institute-of-chemical-engineering/members/professor-guettel/</a>	<a href="https://www.uni-ulm.de/nawi/institute-of-chemical-engineering/research/guettel-group/overview/">https://www.uni-ulm.de/nawi/institute-of-chemical-engineering/research/guettel-group/overview/</a>	<a href="https://www.uni-ulm.de/nawi/institute-of-chemical-engineering/research/guettel-group/services-and-equipment/">https://www.uni-ulm.de/nawi/institute-of-chemical-engineering/research/guettel-group/services-and-equipment/</a>