

Prof. Dr.-Ing. Rainer Helmig
Habilitationen / Haupt- und Mitberichter
Habilitations / Main and Co-supervisor

- 1) Dr.-Ing. Peter Milbradt (2000) (Uni Hannover): Algorithmische Geometrie in der Bauinformatik
- 2) Dr.-Ing. Christian Forkel (2001) (RWTH Aachen): Numerische Grundlagen für die Wasserbaupraxis -Grundlagen, Anwendungen und Qualitätsansprüche
- 3) Dr.-Ing. Manfred Krafczyk (2001) (TU München): Gitter-Boltzmann-Methoden: Von der Theorie zur Anwendung
- 4) Dr.-Ing. Olaf Cirpka (2002) (Uni Stuttgart): Dilution and mixing of solutes in soils and aquifers
- 5) Dr.-Ing. Baldur Barczewski (2002) (Uni Stuttgart): Messverfahren für Strömungs- und Transportvorgänge in der Umwelt
- 6) Dr. Raimund Bürger (2002) (Uni Stuttgart): On mathematical models for the solid-liquid separation of suspensions: strongly degenerate convection-diffusion problems, conservation laws with discontinuous flux, and systems of conservation laws
- 7) Dr. Reinhard Hinkelmann (2003): Efficient numerical methods and information-processing techniques in environment water
- 8) Dr. Anis Younes (2005) (Uni Strasbourg) Contribution à la modélisation des transferts d'eau, de masse et d'énergie dans les milieux poreux hétérogènes (24.06.2005)
- 9) Dr. Sebastian Bauer (2006) (Uni Tübingen): Process based numerical modelling as a tool for aquifer characterisation and groundwater quality evaluation
- 10) Dr. Insa Neuweiler (2007) (Uni Stuttgart): Scale dependence of flow and transport parameters in porous media (15.01.2007)
- 11) Dr. Holger Class (2008) (Uni Stuttgart): Models for non-isothermal compositional gas-liquid flow and transport in porous media (16.06.2008)
- 12) Dr. Bernd Markert (2010) (Uni Stuttgart): Weak or strong: On coupled problems in continuum mechanics (09.06.2010)
- 13) Dr. Jennifer Niessner (2010) (Uni Stuttgart): The role of interfaces in porous medium flow – bridging scales and coupling models (28.06.2010)
- 14) Dr. Miriam Mehl (2010) (TU München): A combination of efficient numerical and computer science methods for the simulation of fluid-dynamics applications
- 15) Dr. Peter Mewis (2012) (TU Darmstadt): Numerische Simulation der Hydromechanik von Fließgewässern (12.12.2012)
- 16) Dr. Bernd Flemisch (2013) (Uni Stuttgart): Tackling coupled problems in porous media: Development of numerical models and an open source simulator (18.07.2013)

- 17) Dr. Sergey Oladyshkin (2014) (Uni Stuttgart): Model reduction for complex flow and transport in the subsurface (28.02.2014)
- 18) Dr. Daniel Meyer (2014) (ETH Zürich): Stochastic modeling in fluid dynamics (04.04.2014)
- 19) Dr. rer.nat. Holger Ott (2015) (RWTH Aachen): CO₂-brine primary displacement in saline aquifers: experiments, simulations and concepts (15.07.2015)
- 20) Dr. Marwen Fahs (2016) (Uni Strasbourg): Numerical modeling of water flow, mass and heat transfer in natural porous media (21.12.2016)
- 21) Dr. rer.nat. Tobias Köppl (2020) (Uni Stuttgart): Model reduction techniques for simulating complex flow processes (23.07.2020)
- 22) Dr.-Ing. Arndt Wagner (2021) (Uni Stuttgart): Continuum Mechanics of Multicomponent Materials – Modelling, Numerics and Applications for Biological Materials in the Framework of the Theory of Porous Media (17.06.2021)
- 23) Ass. Prof. Carina Bringedal (2022) (Uni Stuttgart): Soil salinization: A key environmental problem and how mathematical modeling can help to analyze it (07.12.2022)