

Curriculum Vitae

Prof. Dr.-Ing. Mathias Noe

Personal Information

born October 04, 1963 in Worms, Germany
Institute for Technical Physics
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Scientific Vita

- 5/2016-8/2016 Visiting Fellowship at Fitzwilliams College, Cambridge University, UK
- 4/2014-7/2014 Invited Professor at École Polytechnique de Montréal, Canada
- 2006- Director of Institute for Technical Physics, Research Center of Karlsruhe / from 2009 on: KIT; areas: superconductors and superconducting components, Tritium Laboratory Karlsruhe, cryo technology, vacuum technology
- 2006- Professorship in Technical Applications of High Temperature Superconductivity at the Faculty of Electrical Engineering and Information Technology, Technical University of Karlsruhe (from 2009 on KIT)
- 2003-2006 Group Leader for Applications of Superconductivity in Power Systems at Institute for Technical Physics, Research Center of Karlsruhe
- 2001-2005 Technical Coordinator of the Karlsruhe Tritium Neutrino Experiment at Institute for Technical Physics, Research Center of Karlsruhe
- 1998-2001 Researcher at Institute for Technical Physics, Research Center of Karlsruhe
- 1997-1998 Postdoc, Ecole Polytechnique Federale de Lausanne
- 06/1998 PhD, Technical University Hannover
- 12/1991 Diploma Electrical Engineering, Technical University Hannover

Areas of Expertise

- New and advanced power system components (e.g. cables, generators, transformers, fault current limiters, superconducting energy storage); power system calculations
- Fusion technology (e.g. superconducting magnets, current leads, fuel cycle including tritium processing and vacuum systems)
- Cryogenic high voltage engineering
- Project management
- High field superconducting magnets
- Economic evaluations and power system studies
- Industrial relations, i.e., joint R&D projects with several companies.