

Dr.-Ing. Joachim U. Knebel

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CURRICULUM VITAE

Member of the Nuclear Science and Technology Peer Review Committee, Idaho National Laboratory (INL)

Name: Dr.-Ing. Joachim U. Knebel
Date of birth: August 30, 1962

Academic Background and Education

10/1983 - 1/1989: Studies of Theoretical Mechanical Engineering, University of Karlsruhe (TH)
1/1989: Diploma examination
Diploma thesis: "K- ϵ Turbulence Modeling of Temperature and Velocity Measurements in a Sodium Channel"
1/1993: Doctoral examination
Ph.D. thesis: "Experimental Studies in Turbulent Buoyant Jets in Sodium for Fast Reactors"

Professional Career and Activities

Within Karlsruhe Institute of Technology (KIT) and Helmholtz Association (HGF)
2/1989 – 1/1993: Scientist at the Institute for Nuclear and Energy Technologies (IKET), KIT
2/1993 – 12/1996: Head of Group "Long-term Containment Cooling" within European Pressurized Water Reactor (EPR) project, IKET
5/1997 – 4/2002: Head of Group "Studies of Accelerator Driven Systems (ADS)", IKET
Since 5/2002: Spokesperson of Helmholtz Nuclear Safety Research Program
5/2002 – 9/2010: Head of Nuclear Safety Research Program (NUKLEAR), KIT

- 10/2007 – 05/2009: Acting Head of Institute of Neutron Physics and Reactor Technology (INR), KIT
- 06/2009 – 11/2010: Acting Head of Institute of Radiation Research (ISF), KIT
- Since 10/2010: Chief Science Officer (CSO), Bereich 4, KIT**
Within EURATOM and European projects (selection)
- 11/2001 – 12/2002: European Coordinator of “MEGAWatt Pilot Experiment-TESTing (MEGAPIE TEST)” FP5 project (M€ 7.0 budget)
- 11/2001 – 10/2004: Spokesperson of “TEchnical Support for TRANsmutation (TESTRA)” FP5 cluster (M€ 19 budget)
- 4/2005 – 3/2010: European Coordinator of “EUROpean Research Program for the TRANsmutation of High Level Nuclear Waste in an Accelerator Driven System (EUROTRANS)” FP6 project (with a budget of M€ 43, the largest EURATOM project in FP6)
- Since 02/2008: Elected Member of Executive Committee, Sustainable Nuclear Energy Technology Platform (SNETP)
- 6/2009 – 10/2010: Acting Coordinator of Joint Programming (JP) on “Structural Materials for Innovative Nuclear Systems”, European Energy Research Alliance (EERA)

Other Duties and Honorary Functions

- Since 1993: Author or co-author of more than 100 scientific publications
 More than 55 invited papers at scientific conferences, public hearings, specialist and project meetings in Europe, USA, Japan, Russia, and South Korea
 Organizer and co-organizer of various conferences in the field of nuclear energy and nuclear waste transmutation
- 2001 - 2004: Elected member of Supervisory Board (Aufsichtsrat), Forschungszentrum Karlsruhe
- Since 5/2006: Member of Federal Executive Board, German Nuclear Society (KTG) – re-elected in 2009
- Since 06/2006: Member of Scientific Board, KIT-CEA Frederic Joliot – Otto Hahn Summer School
- Since 10/2007: Executive Director of Südwestdeutscher Forschungs- und Lehrverbund Kerntechnik
- Since 1/2008: Vice President of European Nuclear Society (ENS) - re-elected in 2010
- Since 6/2008: Chairperson of Steering Committee, International MEGAPIE Initiative
- Since 7/2008: Member of Scientific Advisory Board, Dresden-Rossendorf Research Centre (FZD)
- Since 6/2010: Member of the Nuclear Science and Technology Peer Review Committee, Idaho National Laboratory (INL)