

CURRICULUM VITAE

Prof. Dr.-Ing. Sabine Klinkner

Date of birth November 24th, 1975
 Place of birth Greenwich, CT, USA
 Nationality German

EDUCATION

09/1996–02/2001 Universität Stuttgart: Undergraduate and graduate studies in
 Aerospace Engineering, incl. Major in Thermodynamics and
 Space Systems
 09/2002 Graduation as *Diplom-Ingenieurin* in Aerospace Engineering
 10/2004–12/2008 Scientific staff at the Institute of Space Systems, Universität
 Stuttgart, Research field as part of the „Small Satellite Program“
 Accomplishment of PhD with the title: *Concepts and development
 of highly integrated payloads for space missions on the example
 of the microrover NANOKHOD*
 12/2009 Graduation as *Dr.-Ing.*

PROFESSIONAL EXPERIENCE

Since 01/2015 Chair for Satellite Technology,
 Insitute of Space Systems, Universität Stuttgart
 Research fields:
 • Realisation of a small satellite programme
 • Robotics for space applications
 Since 01/2010 Head of Robotic Systems at vH&S GmbH
 10/2002–12/2014 von Hoerner & Sulger GmbH, Schwetzingen, Germany
 Working emphases: Robotic system developments, structural and
 thermal CAE and mechanical design for various scientific space
 projects.
 As system engineer e. g. for
 • ROKVISS camera system (flight hardware for ISS)
 • Flight hardware chassis electronics for the ExoMars Phase B
 • Chassis developments for the ExoMars Phase A and B
 As project manager e. g. for
 • Thermal cycling technology testing for the ExoMars project
 • Engineering model of the Microrover Nanokhod for Mercury
 • Study of a Mobile Payload Element for the Lunar surface
 01/2002–08/2002 Diploma Thesis: *Simulation and Design of a preheated cathode
 for a MPD thrusters, as well as an experimental examination of
 the thrusters behaviour for different propellants*, Centros spazio
 (connected to Pisa University), Pisa, Italy
 01/1999– 03/1999 Light plane floats development, Australian Light Wing, Ballina,
 NSW, Australia
 12/1998 Quality management/Engineering project, Phillips Admeco,
 Eindhoven, Holland
 10/1998–11/1998 Quality management/Engineering project for medical technology,
 Wittenbecher GmbH, Berlin, Germany

OTHER PROOFS OF QUALIFICATIONS / AWARDS

04/2015	Member of the review panel for the Helmholtz alliance ROBEX – Robotic Exploration of Extreme Environments
11/2013	Jury member of the first DLR Spacebot Cup
2007	Amelia Earhart Fellowship
01/2005–12/2007	Irene Rosenberg grant for doctoral project, Ministry of Science, Research and the Arts, Baden–Württemberg
2002	Erasmus funding, part of Sokrates program, funded by the EU
2001	Hermann Reissner grant, Hermann Reissner Foundation – Department of Aerospace Engineering, Universität Stuttgart

PUBLICATIONS

- More than 30 publications in scientific journals and international conferences.
- More than 200 reports as part of space development projects.
- Doctoral Thesis: S. Klinkner, *Concepts and development of highly integrated payloads for space missions on the example of the microrover NANOKHOD*, ISBN 978-3-8322-9557-8, Shaker Verlag, Aachen 2010.