

Curriculum Vitae for Prof. Dr. Karsten Danzmann

1. Februar, 2016

Affiliation

Director, Max Planck Institute for Gravitational Physics (Albert Einstein Institute) and
Director, Institute for Gravitational Physics, Leibniz Universität Hannover
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Personal Details

Born February 6, 1955 in Rotenburg/Wümme in Germany, German citizen

Education

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| 1974 | Pre-Diploma in Physics, Technical University Clausthal-Zellerfeld, Germany |
| 1977 | Diploma in Physics, University of Hannover, Germany |
| 1980 | PhD, University of Hannover, Germany |

Academic Employment

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| 1978 - 1982 | Staff Scientist, University of Hannover |
| 1982 - 1983 | Visiting Scientist (DFG fellowship) Stanford University, USA |
| 1983 - 1986 | Staff Scientist, PTB Berlin, Germany |
| 1986 - 1989 | Act. Ass. Professor of Physics, Stanford University, USA |
| 1990 - 1993 | Project Leader Gravitational Waves, Max Planck Institute for Quantum Optics, Garching, Germany |
| 1993 - 2001 | Head of Remote Branch Hannover, Max Planck Institute for Quantum Optics |
| 1993 - present | Professor (C4), Leibniz Universität Hannover, Director of Institute for Gravitational Physics (formerly Institute for Atomic and Molecular Physics) |
| 2002 - present | Director at Max Planck Institute for Gravitational Physics (Albert Einstein Institute) |
| 2004 - 2005 | Dean, University of Hannover, Germany |

Scientific Activities

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| 1993 - present | Principal Investigator of the ground-based laser interferometric gravitational wave detector GEO600, http://www.geo600.de |
| 1993 - 2001 | Speaker of the Laser Interferometer Space Antenna (LISA) Study Team, http://sci.esa.int/lisa/26498-25th-lisa-science-study-team-meeting/ |
| 1993 - 1998 | Member, Fundamental Physics Advisory Group, ESA (European Space Agency) |
| 1997 - 2010 | Member, Programmausschuss Extraterrestrische Grundlagenforschung des Deutschen Zentrums für Luft- und Raumfahrt (DLR) |
| 1997 - 2009 | Deputy Speaker, DFG Sonderforschungsbereich (Collaborative Research Center) SFB 407: Quantum Measurement, http://gepris.dfg.de/gepris/projekt/5481797?language=en |
| 2001 - 2009 | Deputy Speaker, European Graduate College GRK665, http://gepris.dfg.de/gepris/projekt/273209 |

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| 2001 - 2011 | ESA Mission Scientist for LISA, LIST Co-Chair, http://sci.esa.int/lisa/48364-lisa-assessment-study-report-yellow-book/ |
| 2002 - present | Deputy Speaker, DFG Sonderforschungsbereich (Collaborative Research Center) SFB/TR7: Gravitational Wave Astronomy, http://www.sfb.tpi.uni-jena.de |
| 2004 - present | Co-Principal Investigator for ESA Space Mission LISA Pathfinder, https://www.elisascience.org/articles/lisa-pathfinder/lpf-mission |
| 2006 - present | Deputy Speaker, QUEST Cluster of Excellence, http://www.questhannover.de |
| 2006 - present | Speaker, International Max Planck Research School (IMPRS) on Gravitational Wave Astronomy, http://imprs-gw.aei.mpg.de |
| 2009 - present | Speaker, HALOSTAR Graduate College, http://www.halostar.de |
| 2011 - present | Consortium Lead, eLISA Space Mission Proposal, http://www.elisascience.org |
| 2013 - present | Co-Proposer and Board Member, GRACE Follow-On Space Mission, http://www.aei.mpg.de/gracefo |
| 2014 - present | Deputy Speaker, DFG Sonderforschungsbereich (Collaborative Research Center) SFB 1128, geo-Q: Relativistic Geodesy, http://www.geoq.uni-hannover.de |

Awards

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| 1993 | Humboldt-Max-Planck-Forschungspreis |
| 2006 | Member, Akademie der Wissenschaften und der Literatur in Mainz |
| 2009 | Fellow of the American Physical Society |
| 2010 | Member, Akademie der Wissenschaften in Hamburg |

Teaching Experience, Student Supervision, Invited Talks, and Funding History

- Since 1986 teaching at all levels from large introductory physics classes for physicists and non-physics majors to specialized classes for Master and PhD curriculum, seminars, lab courses; carrying full academic teaching load.
- Supervising 2 PhD dissertations and 5 Master theses per year, averaged over last 10 years.
- Giving 6 invited major conference presentations per year and 5 invited major public talks per year, averaged over last 10 years.
- Placing great emphasis on science marketing to decision makers and general public outreach.
- Generating external grant income of 5 M€ per year, averaged over last 10 years.