

Curriculum Vitae for Prof. Dr. Karsten Danzmann

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Affiliation

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

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

Education

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

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 (W3), 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

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

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 - 2014	Speaker, HALOSTAR Graduate College, http://www.halostar.de
2011 - present	Consortium Lead, LISA Space Mission, http://www.lisamission.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

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
2016	Special Breakthrough Prize in Fundamental Physics, shared with the LIGO Scientific Collaboration
2016	Gruber Cosmology Prize, shared with the LIGO discovery team
2016	Niedersächsischer Staatspreis, shared with Alessandra Buonanno and Bruce Allen
2016	Fritz Behrens Wissenschaftspreis
2016	Wissenschaftspreis Niedersachsen