

# Curriculum Vitae for Prof. Dr. Karsten Danzmann

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## Affiliation

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

Director, Institute for Gravitational Physics, Leibniz Universität Hannover

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[http://www.aei.mpg.de/18307/04\\_Laser\\_Interferometry\\_and\\_Gravitational\\_Wave\\_Astronomy](http://www.aei.mpg.de/18307/04_Laser_Interferometry_and_Gravitational_Wave_Astronomy)

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

## 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
2017	Körber European Science Prize
2017	Otto Hahn Prize
2017	Princess of Asturias Award, shared with the LIGO Scientific Collaboration
2018	Stern-Gerlach Medal
2018	Edison Volta Prize, shared with Alain Brillet, Adalberto Giazotto, Jim Hough
2018	Braunschweiger Forschungspreis