

CURRICULUM VITAE – Thomas K. Henning

Personal Information

Name: Thomas Kai Henning
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Education

1989 Habilitation, University of Jena
1984 PhD in Astrophysics, University of Jena
1981 Diploma Degree in Physics, University of Jena
1976 - 1980 Studies in Physics and Mathematics, University of Greifswald

Current Position(s)

2002 - present Professor for Astrophysics, University of Jena
2001 - present Director at the Max Planck Institute for Astronomy & Head of Planet and Star Formation Department, Heidelberg

Previous Positions

2000 - 2002 Director of the Astrophysical Institute & University Observatory, Univ. of Jena
1999 - 2002 Chair for Astrophysics, University of Jena
1992 - 1998 Professor for Astrophysics, University of Jena
1991 - 1996 Head of the Max Planck Research Unit “Star Formation”, Jena
1989 - 1990 Research Fellow, Max Planck Institute for Radioastronomy, Bonn
1986 - 1988 Assistant Professor at the Astrophysical Institute and University Observatory, Jena
1984 - 1985 Postdoc, Charles University, Prague

Fellowships & Awards

2020 Adjunct Professor – Tokyo Institute of Technology
2020 Honorary Doctor – Lund University, Sweden
2019 Gay Lussac Humboldt Award
2019 Honorary Member – Hungarian Academy of Science
2019 ERC Advanced Grant
2019 Fellow of the Max Planck School Matter to Life
2018 Cozzarelli Prize (PNAS)
2017 Invited Professor - University of Copenhagen
2016 - present Adjunct Professor - Tata Institute of Fundamental Research, Mumbai, India
2016 Invited Professor - Sapporo University
2015 Invited Professor - ESO Chile
2014 Marker Lecture, Pennstate University
2012 JWST Significant Achievement Award
2011 Littrow Lecture, Austrian Academy of Sciences
2009 30882 Tomhenning: Designation of minor planet 1992 SG2
2001 Scientific Member of the Max Planck Society
1999 Member of the German Academy of Sciences Leopoldina
1999 Invited Professor - University of Amsterdam
1997 Fundamental Research Award of the Federal State of Thuringia

Supervision of Graduate Students & Postdoctoral Fellows

1988-2018 20 (Jena) and 51 (Heidelberg) Postdocs/ 78 PhD/ 35 Master Students
~30 of former group members now occupy tenure(-track) faculty/research positions (see also: <http://www.mpia.de/henning/professors>)

Teaching

2002 - present Honorary Professor for Astronomy, University of Heidelberg

ORGANIZATION OF SCIENTIFIC MEETINGS

(PI as organizer or in SOC, 2012+, participants at conferences ~100, at Ringberg Castle ~60)

2012 Extrasolar Planetary Atmospheres, Heidelberg, Germany
2013 Protostars and Planets VI, Heidelberg, Germany (~850 participants)
2014 Chemical Diagnostics in the ALMA/NOEMA Era, Heidelberg, Germany
2015 The Magneto-Rational Instability confronts Observations, Ringberg Castle, Germany
2016 Exoplanets I, Davos, Switzerland
2017 Resolving Planet Formation in the Era of ALMA and Extreme AO, Santiago de Chile
2018 Exoplanets II, Cambridge, UK; Exoplanets III, Heidelberg, Germany, 2020
2019 Protostars & Planets VII; Kyoto, Japan, 2021
Co-Organizer of Conference Series: “Early Phase of Star Formation (EPOS)” - 7th Meeting in 2018
Harvard-Heidelberg Meeting on Star Formation - 4th Meeting in Heidelberg in 2018
Tokyo-Heidelberg Meeting on Planet Formation - 4th Meeting in Edesheim, Germany in 2018

Institutional Responsibilities

2002-present Faculty member, Heidelberg University, Germany
2001-present Director, MPA Research Department *Planet and Star Formation*
2001-present Scientific Member of the Chemistry, Physics & Technology Section of the Max Planck Society (MPG)

Commissions of Trust

2001-2008 President of the Scientific Council of the European Interferometry Initiative
2006-2007 Advisory Committee of the Kiepenheuer Institute for Solar Physics
2007-2016 ESO Council Member (Vice President for one election period)
2008-2010 Panel Chair of the European Research Council for Advanced Investigator Grants
2008-present Advisory Committee of the Thuringian State Observatory Tautenburg
2010-2016 ESO Strategic Working Group
2011-2017 COSPAR National Committee
2012-2018 Stern - Gerlach Prize Committee
2012-2015 Steering Committee of IAU Division H Interstellar Matter and the Local Universe
2015-present IAU Laboratory Astrophysics Commission
2015 Evaluation Panel for Turku University
2015-present Coordinator – Heidelberg Initiative for the Origins of Life (HIFOL)
2015-2017 CAHA Executive Board
2015-2017 LBT Board Member Representative and LBTB Chair
2016 Visiting Committee – Royal Belgium Observatory
2017- 2019 Founding Committee – MPI for the Chemical Evolution of Life
2019 Member – ALMA Visiting Committee
2016-2018 IAU Special Nominating Committee
2018-present Member of Interim Management Committee – European Astrobiology Initiative
-- Referee for UK, Belgian, Danish, Dutch, Finish, French, Spanish, Swiss, Swedish, Canadian, Israeli, Russian, Chinese, Indian, Japanese, US funding organizations and prize committees

Memberships in Scientific Societies

1990-present Member of Astronomische Gesellschaft (AG)
1990-present Member of Deutsche Physikalische Gesellschaft (DPG)
1991-present Member of International Astronomical Union (IAU)

Editor of Journals

Molecular Astrophysics, Living Reviews in Computational Astrophysics, Sterne und Weltraum (popular journal, main editor), Star Formation Newsletter

Major Collaborations (selected)

Consortium collaborations

2007-present Chemistry in Disks (A. Dutrey, U. Gorti, S. Guilloteau, V. Wakelam, V. Piétu, D. Semenov, R. Teague)
2010-present HatSouth Planet Search (G. Bakos, D. Bayliss, A. Jordan)
2015-present SPHERE Exoplanet SHINE & Disk Program (VLT) - (G. Chauvin, C. Dominik)

2016-present ISPY Exoplanet Survey (VLT) - (S. Quanz, D. Queloz, D. Segrasan, A. Quirrenbach)
2006-2014 PanSTARRS1 (N. Kaiser, K.Chambers)

Instrument Consortia (Selection)

FIFI-LS at Sofia (CoI), PACS at Herschel (CoI), MIRI at JWST (CoPI), MATISSE at VLT (CoPI), SHARK-IR at LBT (CoI), CARMENES, GRAVITY, METIS, WFIRST: Science Team Member
LUVOIR: International Member – Science and Technology Definition Team

Publication Impact

> 1.100 refereed publications, 55. 000 citations, H-index: 107