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**Prof. Dr. Dr. h.c. Harald Schuh**

***GFZ German Research Centre for Geosciences, Potsdam, Germany***

General information

born 27 Feb. 1956

Helmholtz-Centre Potsdam  
GFZ German Research Centre for Geosciences

Fields of Research

Earth rotation, geodynamics, reference frames, troposphere

Honours and Memberships

2019	Chair of the Board of Directors at GFZ
Since 2017	Member of acatech – the German National Academy of Science and Engineering
since 2017	Chair of the Board of Trustees of the “Förderkreis Vermessungstechnisches Museum” in Dortmund, Germany
since 2016	Member of the “Helmholtz Think Tank” as a representative of the German Research Centre for Geosciences (GFZ)
2015-2017	Chair of the Internal Scientific Council of GFZ
2015-2017	Member of the Scientific Advisory Board of SFB 1128 (geo-Q) “Relativistic geodesy and gravimetry with quantum sensors” of the DFG
since 2015	President of the International Association Geodesy (IAG)
since 2015	Member of the International Union of Geodesy and Geophysics (IUGG) Executive Committee
2013-2016	Member of the Scientific Advisory Board of the EU Horizon 2020 projects NEAT-FT and OFTEN (optical frequency transfer)
since 2013	Member of Leibniz-Sozietät der Wissenschaften zu Berlin e.V.
since 2012	Full Member of the German Geodetic Commission (DGK)
2011–2015	Vice-President of the International Association Geodesy (IAG)
2010–2015	Member of Scientific Advisory Board of the German Research Group on Satellite Geodesy (FGS)
2010–2014	Chair of Scientific Advisory Board of the German Geodetic Research Institute (DGFI), Munich
2009–2013	President of the Austrian National Committee on Earth Sciences for the IUGG
2009–2012	President of IAU Commission 19 “Rotation of the Earth”
2009–2012	Member of IAU Division I “Fundamental Astronomy” Organizing Committee
2008–2013	President of the Austrian Geodetic Commission (ÖGK)

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| 2007–2013  | Chair of the International VLBI Service for Geodesy and Astrometry (IVS) Directing Board           |
| 2007–2011  | Deputy-Representative of the IVS in the GGOS (Global Geodetic Observing System) Steering Committee |
| 2007–2011  | Member of the Steering Committee of IAG Commission 1 ‘Reference Frames’                            |
| 2006–2012  | Vice-President of the Austrian Society for Surveying and Geoinformation                            |
| 2006–2011  | President of IAG Subcommission 1.4 Interaction of Celestial and Terrestrial Reference Frames       |
| since 2003 | Member of the International Association of Geodesy (IAG) Executive Committee                       |
| since 2003 | Member of the International Center for Earth Tides (ICET) Directing Board                          |
| 2003–2011  | Member of the Steering Committee of IAG Commission 3 ‘Earth Rotation and Geodynamics’              |
| 2002–2015  | Member of the International VLBI Service for Geodesy and Astrometry (IVS) Directing Board          |
| since 1997 | Member of the International Astronomical Union (IAU)   |

Member or consultant of various commissions, study groups and working groups in geodesy (IAG) and astronomy (IAU)

Convener or Co-Convener of several national and international symposia, meetings and workshops

Member of the Assessment Team of the international evaluation of the Shanghai Astronomical Observatory on behalf of the Chinese Academy of Sciences (CAS) (Oct. 2014)

Referee, member of evaluation committees and consultant of the German Ministry of Research and Technology, of the German Research Foundation (DFG), and of the US American NASA

Coordinator of the German Research Group on Earth Rotation (Sept. 1999 - Aug. 2003) funded by the German Research Foundation

Coordinator of the International EOP Prediction Comparison Campaign (EOP\_PCC) within the IERS (since April 2005)

Principal proposer and project coordinator of nine national research projects funded by the German Research Foundation (DFG) and of seven research projects funded by the FWF (Austrian Science Fund), Austrian Academy of Sciences (ÖAW)

Co-proposer of sixteen research projects funded by DFG, FWF, and other national funding organizations

Co-PI of the proposal for the GRASP space mission by NASA/JPL (2013) and for the E-GRASP space mission of ESA (2014 and 2016/2017)

Principal proposer and project leader of several bi-lateral projects funded by DAAD, MPG, BMBF and ÖAD (Germany-China, Germany-Spain, Austria-China, Austria-Hungary, Austria-Poland, Austria-Spain, Germany – China-Taipei, Germany – Argentina, and others) and of project BALGEOS with several Balkan countries

Supervisor, reviewer or examiner of more than 50 diploma/master theses, of 36 doctor theses, and of 6 habilitations since 1983.

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At present: Supervisor of eight doctor theses, which will be completed within the next three years (topics: VLBI, GNSS, combination of space geodetic techniques, troposphere, ionosphere, Earth rotation, interactions in system Earth)

### Awards

- 2016 Adjunct Professor at the University of Tehran, Iran
- 2011 Vening Meinesz Medal of the European Geosciences Union (EGU)
- 2009 Doctor honoris causa of the University of Architecture, Civil Engineering, and Geodesy, Sofia, Bulgaria
- 2007 Fellow of the International Association of Geodesy (IAG)
- 2003 Descartes Prize of the European Union (300,000.- EUR) for the Project ,Non-rigid Earth nutation model – Pinpoint positioning in a wobbly world'

### Education and Qualifications

- Ph.D. 'VLBI for the determination of station displacements and Earth rotation', University of Bonn, Germany, 1986
- Diploma (=M.S.) Geodesy, University of Bonn, Germany, 1979

### Professional experience

- since 2012 Director of Dept. 1 'Geodesy' at Helmholtz-Centre Potsdam - GFZ German Research Centre for Geosciences, Potsdam
- since 2012 Professor for Satellite Geodesy at Technische Universität Berlin (TU Berlin)
- 2003–2012 Professor for Higher Geodesy and Director of the Institute of Geodesy and Geophysics, Vienna University of Technology, Austria
- 2000-2012 Head of Research Unit Advanced Geodesy, Vienna University of Technology, Austria
- 1995–2000 Senior Scientist and Head of Dept. 1 'Earth Rotation', German Geodetic Research Institute (DGFI), Munich
- 1989–1995 Program Scientist and Coordinator for research programs of the EC, German Air and Space Agency (DLR), Cologne
- 1987–1988 Associate Professor, Geodetic Institute of the University of Bonn
- 1980–1986 Scientific Assistant, Geodetic Institute of the University of Bonn
- 1980 Scientific Assistant, Photogrammetric Institute of the University of Bonn

### Research work

- Author or co-author of about 390 publications (84 peer-reviewed; main subjects: VLBI, GNSS, Earth rotation, geodynamics, reference frames, troposphere, ionosphere; list available upon request)

- Editor or co-editor of thirteen national and international publications (books, proceedings, or special issues; co-editor of Journal of Geodesy (2004–2007), of 'vgi' (Journal of the Austrian OVG, 2006-2012), of ZfV (Journal of the German DVW), of Advances in Astronomy and Space Physics (AASP, Ukraine), of Journal of Geodesy and Geoinformation (Turkey), of Reports on Geodesy (Poland), of Acta Geodaetica et Geophysica Hungarica (AGGH, Hungary), Geodesy and Geodynamics (GG, China))