



Curriculum Vitae

1944 Born in Breddorf, Germany

Education

1950 - 1963 Primary and secondary school in Breddorf, Verden/Aller and Zeven, Germany
1963 - 1965 Military service, instruction in Geodesy
1965 - 1970 Study of Geodesy at Technische Universität Hannover (Dipl.-Ing.)
1975 Doctor's degree from Technische Universität Hannover (Dr.-Ing.)

Professional activities

1970 - 1976 Scientific assistant at Technische Universität Hannover, Germany
1976 - 1977 Chief engineer at Technische Universität Hannover, Germany
1977 - 1979 Professor at Universidad del Zulia, Maracaibo, Venezuela,
Scientific advisor at Cartografía Nacional, Caracas, Venezuela
1979 - 1994 Scientist at Deutsches Geodätisches Forschungsinstitut, München, Germany
1982 - 1983 Lectureship "Satellite Geodesy", University FAF, München, Germany
1985 - 1994 Lectureship "Geodetic Geodynamics", Technische Universität München
1994 Honorary professor at Technische Universität München, Germany
1994 Director of Deutsches Geodätisches Forschungsinstitut, München, Germany
1995 - 2000 Lectureship "Geodynamics" at University FAF, München, Germany

Key research fields

Since 1970 Gravimetry, physical geodesy (geoid determination)
Since 1979 Geodetic geodynamics, plate kinematics, satellite geodesy
Since 1994 Reference systems and frames in global and regional scale

Major international positions

Since 1994 Representative of the International Association of Geodesy (IAG) to SIRGAS (Sistema de Referencia Geocéntrico para las Américas)
1995 - 2003 Secretary / President of the IAG/COSPAR Commission on "International Coordination of Space Techniques for Geodesy and Geodynamics" (CSTG)
1999 - 2007 Member of the International Laser Ranging Service (ILRS) Governing Board
2001 - 2008 Member of the Bureau of the ICSU International Lithosphere Project (ILP)
2001 - 2010 Chairman of the International Terrestrial Reference Frame (ITRF) Combination Centre at Deutsches Geodätisches Forschungsinstitut (DGFI)
2003 - 2007 President of IAG Commission 1 "Reference Frames"
2003 - 2007 Representative of the International Union of Geodesy and Geophysics (IUGG) to the United Nation's Cartographic Bureau
2003 - 2011 IUGG Representative to the Pan-American Institute for Geography and History (PAIGH)
2004 - 2009 Representative of IAG to the "Group on Earth Observation" (GEO), Committee on Capacity Building
2005 - 2009 Member of the Steering Committee of IAG's Global Geodetic Observing System (GGOS)
Since 2007 Secretary General of the IAG

Principal Awards

2005 Cavaleiro do Ordem do Mérito Cartográfico of the Brazilian Society of Cartography, Photogrammetry and Remote Sensing
2007 Cross of the Order of Merit of the Federal Republic of Germany

Principal publications

- Ihde J., L. Sánchez, R. Barzaghi, H. Drewes, Ch. Foerste, T. Gruber, G. Liebsch, U. Marti, R. Pail, M. Sideris, Definition and proposed realization of the International Height Reference System (IHRs), *Surveys in Geophysics*, doi: 10.1007/s10712-017-9409-3, 2017.
- Drewes, H., F. Kuglitsch, J. Adam, Sz. Rozsa (Eds.): *The Geodesist's Handbook 2016*. *J. Geodesy* (90) 907-1205, doi 10.1007/s00190-016-0948-z, 2016.
- Drewes, H., J. Adam: *The International Association of Geodesy - Historical Overview*. *J. Geodesy* (90) 913-920, 2016.
- Sánchez, L., Drewes, H.: *Crustal deformation and surface kinematics after the 2010 earthquakes in Latin America*. *J. Geodynamics* (100), doi: 10.1016/j.jog.2016.06.005, 2016.
- Sánchez L., Drewes H., Brunini C., Mackern M.V., Martínez-Díaz W.: *SIRGAS core network stability*. *IAG Symposia 143*, doi: 10.1007/1345_2015_143, 2016.
- Drewes, H.: *From different spheres to the Global Geodetic Observing System*. https://iag.dgfi.tum.de/fileadmin/IAG-docs/Drewes_2015_History_of_Geodesy_at_IUGG_GA.pdf, 2015.
- Drewes, H., D. Angermann, M. Seitz: *Alternative definitions of the terrestrial reference systems and its realizations in reference frames*. Springer, *IAG Symposia*, Vol. 138, 39-44, doi: 10.1007/978-3-642-32998-2_7, 2013.
- Seitz, M., D. Angermann, H. Drewes: *Accuracy assessment of the ITRS 2008 realization of DGFI: DTRF2008*. Springer, *IAG Symposia*, Vol. 138, 87-93, doi: 10.1007/978-3-642-32998-2_15, 2013.
- Sanchez, L., W. Seemüller, H. Drewes, L. Mateo, G. Gonzalez, A. da Silva, J. Pampillon, W. Martinez, V. Cioce, S. Cimbaro: *Long-term stability of the SIRGAS reference frame and episodic station movements caused by the seismic activity in the SIRGAS region*. Springer, *IAG Symposia*, Vol. 138, 153-161, doi: 10.1007/978-3-642-32998-2_24, 2013.
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- Drewes, H.: *How to fix the geodetic datum for reference frames in geosciences applications?* Springer, *IAG Symposia*, Vol. 136, 67-76, doi: 10.1007/s00190-008-0270-5, 2012.
- Seitz, M., D. Angermann, M. Bloßfeld, H. Drewes, M. Gerstl: *The 2008 DGFI realization of the ITRS: DTRF2008*. *J. Geodesy* (86) 1097-1123, doi: 10.1007/s00190-012-0567-2, 2012.
- Seemüller, W., M. Seitz, L. Sanchez, H. Drewes: *The new multi-year position and velocity solution SIR09P01 of the IGS Regional Network Associate Analysis Centre (IGS RNAAC SIR)*. Springer, *IAG Symposia*, Vol. 136, 877-883, doi: 10.1007/978-3-642-20338-1, 2012.
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