

INVITED SPEAKER

Prof. Dr. Claudia Stolle

Helmholtz Centre Potsdam

GFZ German Research Centre for Geosciences

claudia.stolle[at]gfz-potsdam.de



Since 1 July 2013, Prof. Claudia Stolle is the new head of section 2.3, Earth's Magnetic Field.

On 1st July 2013 Prof. Dr. Claudia Stolle was appointed head of Section 2.3, "Earth's Magnetic Field". As a joint appointment between GFZ and the University of Potsdam, Prof. Stolle commenced a position as professor of the "Earth's Magnetic Field" in the Faculty of Mathematics and Natural Sciences. Her research interests focus on the interaction of the Earth's magnetic field and phenomena and trends in the upper atmosphere, as well as the characterization of the sources of the geomagnetic field in the near-Earth space

Prof. Stolle has previously been 'Senior Scientist' at the Technical University of Denmark (DTU) in Copenhagen. During this time she was responsible for the scientific management of DTU's global network of ground magnetometers, and she worked on developing and defining scientific data products for the upcoming ESA satellite mission Swarm.

After obtaining a degree in meteorology at the Centre national de la recherche scientifique (CNRS) and the French weather service Météo France in Toulouse, Prof. Stolle completed her PhD at the University of Leipzig on the new possibility of imaging the ionosphere using GPS measurements.

Prof. Dr. Mioara Manda

Mioara Manda, Ph.D. is General Secretary of the European Geosciences Union and Programme Manager for the Solid Earth Observation / Directorate for Strategy and Programmes of Centre National d'Etudes Spatiales (French Space Agency), Paris.

Her research interests mainly concern measuring, mapping, and understanding the multitude of magnetic fields encountered in near Earth and near Earth-like planets. She has concentrated her work in important areas, participating in the general effort of measuring Earth's magnetic field from ground to space, developing new tools to model the geomagnetic field and its secular variations (with a special emphasis on geomagnetic jerks), and using the geomagnetic information to determine physical properties in the deep Earth's interior (with special studies on the lower mantle conductivity or motions at the core-mantle boundary). Her fields of research also include geopotential field mapping, on global or regional scales, with important implications for the understanding of rapid changes within the Earth's system.



INVITED SPEAKER

Prof. Wolfgang Martin Boerner

University of Illinois at Chicago



Wolfgang-Martin Boerner was born in Finschhafen, Papua New Guinea (formerly Deutsch-Ost Neu-Guinea) in 1937, spent his childhood in Oceania & Austral-Asia, received the B.S. (Abitur) degree from the August von Platen Gymnasium, Ansbach, Germany, the M.S. (Dipl.-Ing.) degree from the Technical University of Munich, Munich, Germany, and the Ph.D. degree from the Moore School of Electrical Engineering, University of Pennsylvania, Philadelphia, in 1958, 1963, and 1967, respectively.

From 1967 to 1968, he was a Research Assistant Engineer at the Department of Electrical and Computer Engineering, Radiation Laboratory, University of Michigan, Ann Arbor. From 1968 to 1978, he was with the Electrical Engineering Department, University of Manitoba in Winnipeg, MB, Canada. In 1978, he joined the Department of Electrical Engineering and Computer Science, University of Illinois at Chicago as Professor and Director of its Communications, Sensing & Imaging and Navigation Laboratory, where he serves now a Professor Emeritus and Distinguished Research Scientist.

Prof. KATSUMI HATTORI

Chiba University, JAPAN

hattori@earth.s.chiba-u.ac.jp

AREAS OF EXPERTISE: GPS Geosciences Applications, Signal Processing and Image Processing, Ground electromagnetic observation

PROFESSIONAL EXPERIENCE

Mar.1992 – Received Ph. D. in Electrical Engineering from Nagoya University

1992-1995 – Research Associate, Faculty of Engineering, Toyama Prefectural University

1995-1997 – Lecturer at Department, Gunma National College of Technology

1997-1998 – Researcher, International Frontier Research Program on Earthquakes

1998-2000 – Team Leader, International Frontier Research Program on

2001-2006 – Associate Professor of Marine Biosystems Research Center, Chiba University

2006-2007 – Associate Professor, Faculty of Science, Chiba University

July 2009-present – Professor of Earth Sciences, Graduate School of Science, Chiba University



INVITED SPEAKER

Dr. Monika Korte

Helmholtz Centre Potsdam
GFZ German Research Centre for Geosciences
monika.korte[at]gfz-potsdam.de



Research Interests:

- Geomagnetism and Paleomagnetism
- Recent and long term geomagnetic secular variation
- Global and regional geomagnetic field modeling
- Geomagnetic ground observations
- Separation of magnetic field sources

Career :

since 2009 Working Group Leader “Geomagnetic Observatories” within Section 2.3 of GFZ

since 2003 Scientific Director of Niemegek Geomagnetic Observatory at GFZ Potsdam

2002 – 2003 Postgraduate Researcher, GFZ Potsdam

2001 – 2002 Postgraduate Researcher, Scripps Institution of Oceanography, University of California, San Diego

1999 – 2001 Postgraduate Researcher, GFZ Potsdam

1997 – 1999 PhD student, GFZ Potsdam

1996 – 1997 Student research assistant, Geophysical Observatory Fürstfeldbruck, LMU München.

Dr. Harry Arjadi

Pusat Penelitian Sistem Mutu dan Teknologi Pengujian



- Receive Ph.d from Salford University.
- Member of Barrier Removal to the cost-effective development and implementation of Energy efficiency Standards and Labelling