

## **CURRICULUM VITAE**



### **Sigrid Böhm**

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Birthday: 19<sup>th</sup> of April, 1980

Birthplace: Klagenfurt, Austria

Citizenship: Austria

Marital status: married

### **ACADEMIC EDUCATION**

- |                       |   |
|-----------------------|---|
| Oct. 2005 – Oct. 2012 | Vienna University of Technology<br>PhD study (degree: Dr. techn.)   |
| Oct. 1998 – Apr. 2005 | Vienna University of Technology<br>Study of Surveying and Geoinformation,<br>concentration in Geodesy and Geophysics (degree: Dipl.-Ing.) |

### **PROFESSIONAL EXPERIENCE**

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|-----------------------|---|
| Nov. 2012 – now       | University assistant at the Vienna University of Technology, Department of Geodesy and Geoinformation, Research Group Advanced Geodesy  |
| Oct. 2011 – Oct. 2012 | Project assistant at the Vienna University of Technology, Department of Geodesy and Geoinformation (Institute of Geodesy and Geophysics, before Oct. 2012), Research Group Advanced Geodesy |
| Oct. 2007 – Sep. 2011 | University assistant at the Vienna University of Technology, Institute of Geodesy and Geophysics, Research Group Advanced Geodesy   |
| Nov. 2005 – Oct. 2007 | PhD stipendiary of the Austrian Academy of Sciences   |
| Jul. 2005 – Nov. 2005 | Project assistant at the Vienna University of Technology, Institute of Geodesy and Geophysics, Advanced Geodesy   |
| Apr. 2003 – Oct. 2005 | Occasional work as a technical surveyor for Geodata Ziviltechnikergesellschaft mbH, Vienna  |
| Apr. 2004             | Assistance in project of the research group Advanced Geodesy, Vienna University of Technology (GPS measurements)  |
| Jul. 2002             | Assistance in international Project “ALP 2002” (geophysical research)   |

## MEMBERSHIPS

American Geophysical Union

Austrian Society for Surveying and Geoinformation

European Geosciences Union

International VLBI Service for Geodesy and Astrometry – associate member

## TEACHING

- Lecture on "Earth rotation and global dynamic processes"
- Exercises in "Earth gravity field and Earth rotation"
- Exercises in "Satellite Geodesy"

## RESEARCH TOPICS

- Analysis of observation data of the space geodetic techniques Very Long Baseline Interferometry (VLBI) and Global Navigation Satellite Systems (GNSS) with the scientific software packages OCCAM and VieVS VLBI software and BERNESE GPS Software.
- Determination of Earth rotation parameters (ERP) from VLBI and GNSS data for the study of global geophysical processes with focus on tidally induced variations in the Earth's rotation.
- Investigation of oceanic tidal excitation of Earth rotation from ocean tide models.

## INTERNATIONAL EXPERIENCE

Participation and oral/poster presentation at ...

2005 Journées 2005 "Systèmes de référence spatio-temporels", Warsaw, Poland

2006 EGU General Assembly, Vienna, Austria

2006 IAU General Assembly, Prague, Czech Republic

2006 Geodetic Week, Munich, Germany

2007 EGU General Assembly, Vienna, Austria

2007 IUGG General Assembly, Perugia, Italy

2007 Journées 2007 "Systèmes de référence spatio-temporels", Meudon, France

2008 IVS General Meeting, St. Petersburg, Russia

2008 EGU General Assembly, Vienna, Austria

2008 Journées 2008 "Systèmes de référence spatio-temporels", Dresden, Germany

2009 EGU General Assembly, Vienna, Austria

2009 IAU General Assembly, Rio de Janeiro, Brasil

2009 Österreichischer Geodätentag, Schladming, Austria

2009 IERS Workshop on EOP Combination and Prediction, Warsaw, Poland

**2009 Böhm S., Böhm J., Schuh H., 2009. Zonal tidal variations in UT1 observed by VLBI. AGU Fall Meeting, San Francisco, United States of America (invited presentation)**

- 2010 EGU General Assembly, Vienna, Austria
- 2010 Journées 2010 "Systèmes de référence spatio-temporels", Paris, France
- 2010 Geodetic Week, Cologne, Germany
- 2010 GGOS/IAU Science Workshop, Shanghai, China
- 2011 EGU General Assembly, Vienna, Austria
- 2011 Böhm S., Nilsson T., Schindelegger M., Schuh H., 2011, Atmospheric and oceanic excitation of Earth rotation. Journées 2011 "Systèmes de référence spatio-temporels", Vienna, Austria (invited presentation)**
- 2012 Böhm S., Nilsson T., Schindelegger M., Schuh H., 2012, High-frequency signals of oceans and atmosphere in Earth rotation. EGU 2012, Vienna, Austria (invited presentation)**
- 2012 Symposium and Summer School on Space Geodesy and Earth System, Shanghai, China
- 2012 IAU General Assembly, Beijing, China