

Publication list of Sigrid Böhm

Böhm, S., 2012. Tidal excitation of Earth rotation observed by VLBI and GNSS. Dissertation, Technische Universität Wien, published in: Geowissenschaftliche Mitteilungen, ISSN 1811-8380, Heft Nr. 90.

Böhm, S., Nilsson, T., Schindelegger, M., Schuh H., 2012. Atmospheric and oceanic excitation of Earth rotation. Proceedings of the "Journées 2011 Systèmes de référence spatio-temporels", H. Schuh, S. Böhm, T. Nilsson, N. Capitaine (eds.), pp. 101 – 106.

Böhm, S., Brzezinski A., Schuh H., 2012. Complex demodulation in VLBI estimation of high frequency Earth rotation components. J. Geodyn., special issue on Earth rotation, Vol. 62, pp. 56 – 68.

Böhm, S., Schuh H., 2011. Response of the Earth system to zonal tidal forcing examined by VLBI based dUT1 variations. Proceedings of the "Journées 2010 Systèmes de référence spatio-temporels", N. Capitaine (ed.), Observatoire de Paris, ISBN: 978-2-901057-64-2, pp. 145 – 149.

Böhm, J., Böhm S., Nilsson T., Pany A., Plank L., Spicakova H., Teke K., Schuh H., 2010. The new Vienna VLBI Software VieVS. Proceedings of the 2009 IAG Symposium, Buenos Aires 2010, S. Kenyon, M.C. Pacino, and U. Marti (eds.), IAG Symposia Series, Vol. 136, Springer, pp. 1007 – 1012.

Schuh, H., Böhm S., 2011. Earth Rotation, in: Encyclopedia of Solid Earth Geophysics, Harsh K. Gupta (ed.), Encyclopedia of Earth Sciences Series, Springer, 2011, Part 5, ISBN 978-90-481-8701-0, pp. 123 – 129, DOI: 10.1007/978-90-481-8702-7_177.

Böhm, S., 2010. Der Einfluss der Gezeiten auf die Erdrotation. Österreichische Zeitschrift für Vermessung und Geoinformation (VGI), Heft 2 (2010), 98. Jahrgang, pp. 116 – 123.

Englich, S., Schuh H., Weber R., 2010. Short-term tidal variations in UT1: compliance between modelling and observation. In: Proceedings of the International Astronomical Union, Vol. 5, Highlights of Astronomy H15, pp. 215 – 215, DOI:10.1017/S1743921310008847.

Schuh, H., Böhm J., Englich S., Nothnagel A., 2010. Determination of UT1 by VLBI. In: Proceedings of the International Astronomical Union, Vol. 5, Highlights of Astronomy H15, pp. 216 – 216, DOI:10.1017/S1743921310008859.

Schuh, H., Böhm J., Böhm S., Nilsson T., Pany A., Plank L., Spicakova H., Teke K., Wresnik J., 2010. Vienna IGG Special Analysis Center Annual Report 2009. In: IVS 2009 Annual Report, D. Behrend and K. D. Baver (eds.), NASA/TP-2010-215860, pp. 243 – 246.

Spicakova, H., Böhm J., Böhm S., Nilsson T., Pany A., Plank L., Teke K., Schuh H., 2010. Estimation of geodetic and geodynamical parameters with VieVS. In: IVS 2010 General Meeting Proceedings, D. Behrend and K. D. Baver (eds.). NASA/TP-2010-215864. pp. 202 – 206.

Böhm, J., Spicakova H., Plank L., Teke K., Pany A., Wresnik J., Englich S., Nilsson T., Schuh H., Hobiger T., Ichikawa R., Koyama Y., Gotoh T., Kubooka T., Otsubo T., 2009. Plans for the Vienna VLBI Software VieVS. In: Proceedings of the 19th European VLBI for Geodesy and Astrometry Working Meeting, G. Bourda, P. Charlot and A. Collioud (eds.), pp. 161 – 164.

Englich, S., Schuh H., 2009. Models for high accurate space geodetic observations. Proceedings of the "Journées 2008 Systèmes de référence spatio-temporels", M. Soffel and N. Capitaine (eds.), Lohrmann-Observatorium and Observatoire de Paris, ISBN: 978-2-901057-63-5, pp. 9 – 13.

Englich, S., Schuh H., Heinkelmann R., 2009. Direct estimation of tidally induced Earth rotation variations observed by VLBI. Proceedings of the "Journées 2008 Systèmes de référence spatio-temporels", M. Soffel and N. Capitaine (eds.), Lohrmann-Observatorium and Observatoire de Paris, ISBN: 978-2-901057-63-5, pp. 137 – 138.

Schuh, H., Böhm J., Englich S., Heinkelmann R., Mendes Cerveira P. J., Pany A., Plank L., Spicakova H., Teke K., Wresnik J., 2009. Vienna IGG Special Analysis Center Annual Report 2008. In: IVS 2008 Annual Report, D. Behrend and K. D. Baver (eds.), NASA/TP-2009-214183. pp. 273 – 276.

Böhm, J., Mendes Cerveira P. J., Englich S., Schuh H., 2008. Atmosphere Angular Momentum Time Series for CONT05. In: "Measuring the future", Proceedings of the 5th IVS general meeting, A. Finkelstein and D. Behrend (eds.), ISBN 978-5-02-025332-2, pp. 14 - 18.

Englich, S., Heinkelmann R., Schuh H., 2008. Re-assessment of ocean tidal terms in high-frequency Earth rotation variations observed by VLBI. In: "Measuring the future", Proceedings of the 5th IVS general meeting, A. Finkelstein and D. Behrend (eds.), ISBN 978-5-02-025332-2, pp. 314 – 318.

Mendes Cerveira, P. J., Englich S., Schuh H., Klügel T., Velikoseltsev H., Schreiber U., 2008. How can the Wettzell "G" ring laser improve VLBI measurements of subdiurnal Earth rotation variations? In: "Measuring the future", Proceedings of the 5th IVS general meeting, A. Finkelstein and D. Behrend (eds.), ISBN 978-5-02-025332-2, pp. 19 - 24.

Schuh, H., Böhm J., Englich S., Heinkelmann R., Hobiger T., Mendes Cerveira P. J., Pany A., Tanir E., Teke K., Todorova S., Wresnik J., 2008. Vienna IGG Special Analysis Center Annual Report 2007. IVS Annual Report, NASA/TP-2007-214162 (2008), pp. 208 – 211.

Englich, S., Weber R., Schuh H., 2008. Empirical validation of the conventional model for length of day variations due to zonal tides. Proceedings of the "Journées 2007 Systèmes de référence spatio-temporels", N. Capitaine (ed.), pp. 184 – 187.

Weber, R., Englich S., Todorova S., 2008. Scientific applications in geodesy and geodynamics – Innovations offered by the new Galileo signals. In: Proceedings of 1st Colloquium on Scientific and Fundamental Aspects of the Galileo Programme, October 1–4, 2007, Toulouse, France, pp. 51 – 58.

Englich, S., Mendes Cerveira P. J., Weber R., Schuh H., 2007, Determination of Earth rotation variations by means of VLBI and GPS and comparison to conventional models. Österreichische Zeitschrift für Vermessung und Geoinformation (VGI), reviewed special issue, Heft 2 (2007), 95. Jahrgang, pp. 104 – 112.

Weber, R., Schuh H., Englich S., Snajdrova K., 2006. Das Nutationsmodell. Österreichische Zeitschrift für Vermessung und Geoinformation (VGI), Heft 3 (2006), 94. Jahrgang, pp. 151 - 161.

Weber, R., Englich S., 2006. Potential Contribution of GALILEO to the TRF and the Determination of ERPs. Proceedings of the "Journées 2005 Systèmes de référence spatio-temporels", A. Brzezinski, N. Capitaine and B. Kolaczek (eds.), pp. 294 – 296.