Timm John

1) *General information*

- John, Timm, Dr. rer. nat., date of birth: 05/06/1970, male.
- Institut für Geologische Wissenschaften, Freie Universität Berlin, Malteserstr. 76-100, D-12249 Berlin, Tel: +49 30 838 70103, e-mail: timm.john@fu-berlin.de
- Current position: Professor (W2), pending upon successful funding of TRR170

2) *Academic education and degrees*

- Diploma in Geology (1994 – 1998), University of Bremen, Germany (Prof. Dr. Reiner Klemd)

3) *Scientific degrees*

- Habilitation in Geology/Mineralogy, WWU Münster, Germany, 2012 (Prof. Dr. Andrew Putnis)
- Doctoral degree: Dr. rer. nat., University of Kiel, 2001 (Prof. Dr. Volker Schenk).

4) *Professional experience*

- Since 2013, Professor of Mineralogy and Petrology, Institut für Geologische Wissenschaften, Freie Universität Berlin
- 2009 - 2013, Akademischer Rat auf Zeit (equivalent to assistant professor), Institut für Mineralogie, WWU Münster
- 2006 - 2008, Senior postdoctoral researcher, field coordinator, Centre for Physics of Geological Processes (PGP), Norwegian centre of excellence, University of Oslo.
- 2002 - 2006, Postdoctoral Fellow. Research project part of SFB 574 "Volatiles and Fluids in Subduction Zones: Climate Feedback and Trigger Mechanism for Natural Disasters", Universität Kiel,
- 1998 - 2001 Research associate, Universität Kiel.

5) *Professional activities*

Session organisation:

- Convener of 11 sessions at international conferences (Goldschmidt, EGU, IGC) from 2006 to 2013.

Editorial:

- Guest editor of special issue for Mineralogy and Petrology.
- Member of the editorial board of Lithos.

Reviewer:

- International Ocean Drilling Program (IODP)-projects, DFG, NSF, and NERC research proposals.
- Reviews for: Chemical Geology, Contributions to Mineralogy and Petrology, Earth and Planetary Sciences Letters, Geochimica et Cosmochimica Acta, Geology, International Journal of Earth Sciences, Journal of African Earth Sciences, Journal of Metamorphic Geology, Journal of Petrology; Lithos, Nature Geoscience, Precambrian Research, Terra Nova;

Professional affiliation:

- European Geosciences Union, European Association of Geochemistry, Deutsche Mineralogische Gesellschaft, Geologische Vereinigung.

6) *Publications*

Published or accepted peer-reviewed publications, etc.

Jonas, L. John, T., King, H., Geisler, T. & Putnis. A. (2014). The role of grain boundaries and transient porosity in rocks as fluid pathways for reaction front propagation. Earth and Planetary Science Letters, 386, 64-74.

John, T., Gussone, N., Podladchikov, Y.Y., Bebout, G., Dohmen, R., Halama, R., Klemd, R., Magna, T. & Seitz, M. (2012). Volcanic arcs fed by rapid pulsed fluid flow through subducting slabs. Nature Geoscience, 5, 489–492.

Putnis, A. & John, T. (2010). Replacement processes in the Earth's crust. Elements, 6, 159-164.

John, T., Klemd, R., Klemme, S., Pfänder, J., Hoffmann, J.E. & Gao, J. (2011). Nb-Ta fractionation by partial melting at the titanite-rutile transition. Contributions to Mineralogy and Petrology, 161, 35-45.

John, T., Scambelluri, M., Frische, M., Barnes, J.D. & Bach, W. (2011). Dehydration of subducting serpentinite: implications for halogen mobility in subduction zones and the deep halogen cycle. Earth and Planetary Science Letters, 308, 65-76.

John, T., Layne, G., Haase, K. & Barnes, J.D. (2010). Chlorine isotope evidence for crustal recycling into

the Earth´s mantle. Earth and Planetary Science Letters, 298, 175-182.
John, T., Medvedev, S., Rüpke, L.H., Podladchikov, Y., Andersen, T.B. & Austrheim, H. (2009). Generation of intermediate-depth earthquakes by self-localizing thermal runaway. Nature Geoscience, 2, 137-140.
John, T., Klemd, R., Gao, J. & Garbe-Schönberg, C-D. (2008). Trace-element mobilization in slabs due to non steady-state fluid-rock interaction: constraints from an eclogite-facies transport vein in blueschist (Tianshan, China). Lithos, 103, 1-24.
John, T., Scherer, E., Haase, K. & Schenk, V. (2004). Trace element fractionation during fluid-induced eclogitization in a subducting slab: trace element and Lu-Hf / Sm-Nd isotope systematics. Earth and Planetary Science Letters, 227, 441-456.
John, T., Schenk, V., Haase, K., Scherer, E. & Tembo, F. (2003). Evidence for a Neoproterozoic ocean in south central Africa from MORB-type geochemical signatures and P-T estimates of Zambian eclogites. Geology, 31, 243-246.