

## International Research Training Group - Deep Earth Volatile Cycles

Bayerisches Geoinstitut, University of Bayreuth & The Department of Earth and Planetary Materials Science, Tohoku University

*Minibus pickup is available for Reviewers at the Bayreuth Main Train Station, upon request.*

*Please Contact: Florian Heidelberg ([Florian.Heidelberg@Uni-Bayreuth.de](mailto:Florian.Heidelberg@Uni-Bayreuth.de))*

<b>TUESDAY, FEBRUARY 11<sup>TH</sup></b>	
<b>TIME</b>	<b>SESSION</b>
<b>REVIEW STARTS AT 14:00</b>	
14:00 (45 min)	<b>Internal Preliminary Discussions by the Reviewers (BGI Seminar Room)</b>
14:45 (15 min)	<b>Welcome &amp; Introduction by the Spokesperson of the Research Training Group (S89)</b>
15:00 (1 hour)	<b>Oral Presentations from IRTG Students &amp; Discussion (S89)</b> <i>(*Names &amp; Titles Listed on Page 2)</i>
16:00 (2 hours)	<b>Poster Presentations from IRTG Students &amp; Postdocs Associated with IRTG (BGI Foyer) (Names &amp; Titles Listed on Page 2)</b>
18:00 (45 min)	<b>Discussion between Doctoral Researchers, Reviewers &amp; Rapporteur (S89)</b> <i>(Doctoral &amp; Postdoc Researchers, Student Assistants, Reviewers, Rapporteur, Representatives from the State Ministry, DFG Head Office Staff)</i>
<b>19:00</b>	<b>DFG Members &amp; Reviewers Return to <a href="#">AVENA CONGRESS HOTEL</a> via Minibus</b> <i>(<a href="#">Eduard-Bayerlein-Str. 5a, 95445 Bayreuth</a> / Tel.:0921/7270)</i>
<b>DFG Members &amp; Reviewers leave Hotel at 19:30 (Walk to Restaurant: <a href="#">Oskar</a>), Dinner at 19:45</b>	
<b>WEDNESDAY, FEBRUARY 12<sup>TH</sup></b>	
<b>8:30</b>	<b>PICK UP FROM AVENA CONGRESS HOTEL VIA MINIBUS</b>
9:00 (1 hour)	<b>Reviewers' Meeting (BGI Seminar Room)</b>
10:00 (1 hour)	<b>Plenary discussion involving all members of the Research Training Group &amp; Representatives of the University Administration (S89)</b> <i>(Doctoral &amp; Postdoc Researchers, Student Assistants, Participating Researchers, Representatives of the University Admin., Reviewers, Rapporteur, Representatives of the State Ministry, DFG Head Office Staff)</i>
11:00 (2 hr 45 min)	<b>Final Reviewers' Meeting (BGI Seminar Room)</b> <i>(Reviewers, Rapporteur, Representatives of the State Ministry, DFG Head Office Staff)</i>
<b>~ 14:00 END OF THE REVIEW</b>	

### LIST OF PARTICIPANTS:

#### REVIEWERS:

Prof. Dr. Harald Behrens – Hannover  
 Prof. Dr. Patrick Cordier – Lille  
 Prof. Dr. Simon Kohn – Bristol  
 Prof. Dr. Ambre Luguët – Bonn  
 Prof. Dr. ChrysteLe Sanloup – Paris  
 Prof. Dr. Peter Ulmer – Zürich

#### PARTICIPANTS OF THE DFG HEAD OFFICE:

Dr. Katja Fettelschoß – Research Careers  
 Dr. Susanne Faulhaber – Geosciences

#### REPRESENTATIVE OF THE BAVARIAN STATE MINISTRY:

Frau Ministerialrätin Beate Lindner

#### SCIENTIFIC MEMBER OF THE GRANTS

#### COMMITTEE ON RESEARCH TRAINING GROUPS:

Prof. Dr. Jutta Winsemann – Hannover

# International Research Training Group - Deep Earth Volatile Cycles

Bayerisches Geoinstitut, University of Bayreuth & The Department of Earth and Planetary Materials Science, Tohoku University

## UNIVERSITY OF BAYREUTH

Prof. Dr. Audrey Bouvier  
 Prof. Dr. Daniel Frost (*Spokesperson*)  
 Prof. Dr. Natalia Dubrovinskaia  
 Prof. Dr. Leonid Dubrovinsky  
 Prof. Dr. Gregor Golabek

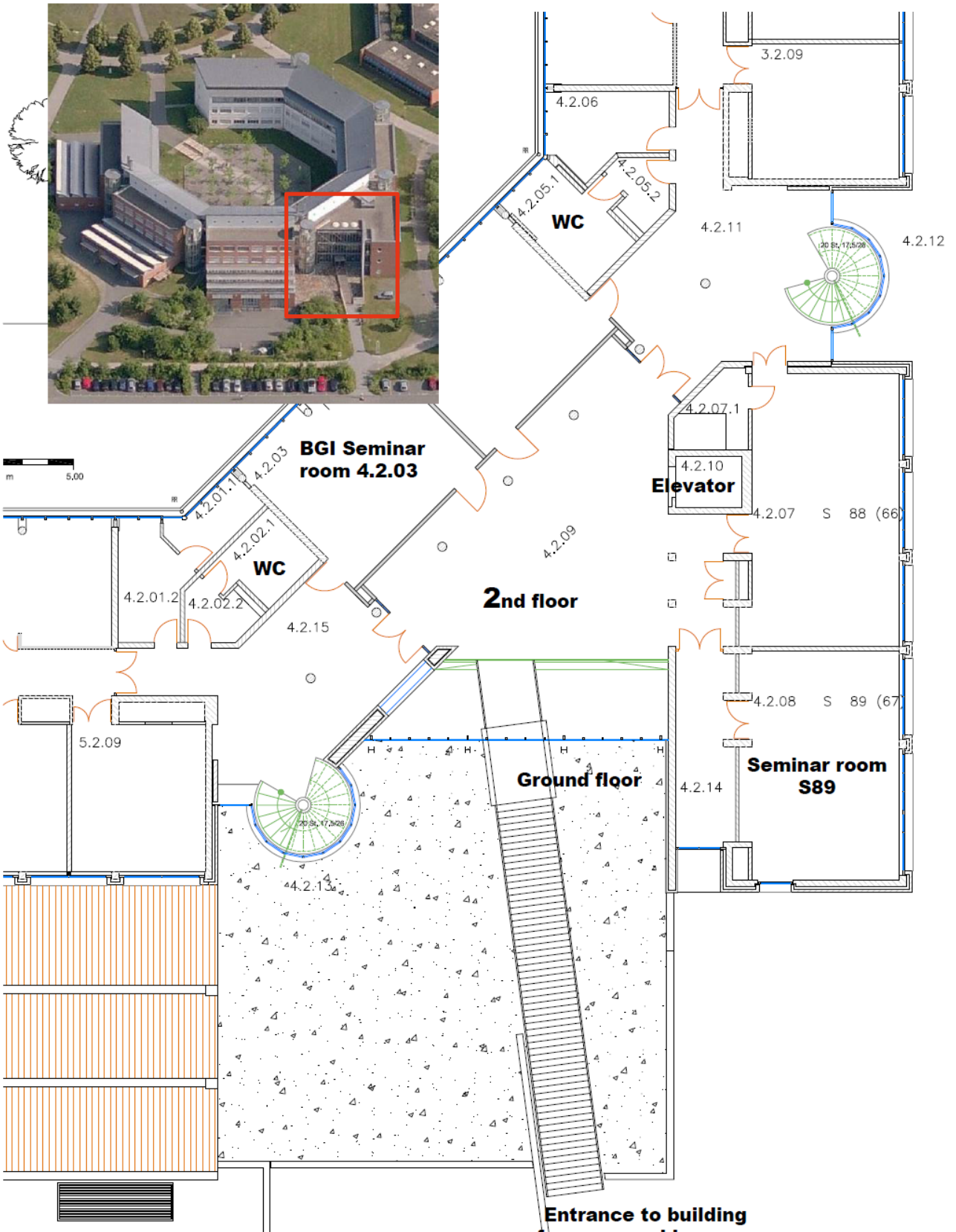
Prof. Dr. Tomo Katsura  
 Prof. Dr. Hans Keppler  
 Prof. Dr. Stefan Leible (*UBT President*)  
 Dr. Catherine McCammon  
 Prof. Dr. David Rubie  
 Dr. Markus Zanner (*UBT Provost*)

## TOHOKU UNIVERSITY

Prof. Dr. Michihiko Nakamura (*Spokesperson*)  
 Prof. Dr. Tomoki Nakamura

Prof. Emeritus Eiji Ohtani  
 Associate Prof. Akio Suzuki

<b>*BGI IRTG DOCTORAL RESEARCHERS: ORAL PRESENTATIONS</b>	
Greta Rustioni	Trace element mobility in subduction zone fluids
Egor Koemets	FeOOH behavior at extreme conditions: early Earth's O and H recycling and complex Fe-O chemistry
Lisa Eberhard	The redox conditions in subduction zones and implications for the speciation of volatiles
<b>BGI IRTG DOCTORAL RESEARCHERS: POSTERS</b>	
Philipp Eichheimer	Combined numerical and experimental study of microstructure and permeability in porous granular media
Marija Putak Juriček	Trace element transport by saline aqueous fluids in cold subduction zones
Niccolò Satta	Single-crystal elasticity of delta-(Al <sub>1-x</sub> Fe <sub>x</sub> )OOH; Evidences for the incongruent melting of (Mg,Fe) <sub>2</sub> SiO <sub>4</sub> olivine in a shocked Apollo 15 regolith
Caterina Melai	The phase relations of ferropericlase diamond inclusions
Enrico Marzotto	Effect of water on ringwoodite thermal conductivity - Implications for slab thermal evolution
Dmitry Bondar	Rapid-quench multi-anvil technique and its application to water partitioning study
Serena Dominijanni	High-pressure sound velocity measurements of B2-FeNiSi alloy using inelastic X-ray scattering: Implications for the composition of the Earth's core
Sumith Abeykoon	A new geothermometer using the oxygen content of sulphide inclusions in diamonds
Laura Cialdella	The solubility of N <sub>2</sub> in silicate melts
<b>TOHOKU UNIVERSITY IRTG DOCTORAL RESEARCHERS: POSTERS</b>	
Yongsheng Huang	Experimental constraints on the aqueous fluid connectivity and electrical conductivity in the mantle wedge
Naoki Araya	Magma migration to a shallow conduit prior to Plinian eruptions at Sakurajima volcano
Naoko Takahashi	In-situ lithium isotope geochemistry for a veined jadeitite from the New Idria serpentinite body, California: Constraints on slab-derived fluid and fluid-rock interaction
Tomonori Ohashi	Structure of hydrous sodium silicate melts from x-ray and neutron diffraction
Osamu Ikeda	High-pressure experiments on the behavior of ε-FeOOH
Liang Yuan	Structure and density of H <sub>2</sub> O-rich Mg <sub>2</sub> SiO <sub>4</sub> melts at high pressure from ab initio simulations
<b>BGI IRTG ASSOCIATED DOCTORAL RESEARCHERS: POSTERS</b>	
Katherine Armstrong	Redox evolution of the early Earth's mantle
Johannes Buchen	The Elastic Properties of Wadsleyite and Stishovite at High Pressures: Tracing Deep Earth Material Cycles
Dmitry Druzhbin	High water effect on silicon and oxygen self-diffusion in wadsleyite
Kirsten Schulze	Seismically invisible water in Earth's transition zone?
Rong Huang	Bridgmanite crystal chemistry and iron content in the Earth's lower mantle
Iuliia Koemets	Structure, crystal chemistry, and compressibility of iron-rich silicate perovskite at pressures up to 95 GPa
<b>BGI IRTG ASSOCIATED POSTDOCTORAL RESEARCHERS: POSTERS</b>	
Marcel Thielmann	Is the 2013 Wind River earthquake an indicator for craton hydration? Ferropericlase control of lower mantle rheology: Impact of phase morphology
Hongzhan Fei	Hydrogen substitution mechanism in forsterite and natural olivine



**Bayerisches Geoinstitut/Bayreuth University**

Plan of 2nd floor of building center