

LUCKY #13: International Workshop on Modelling of Mantle and Lithosphere Dynamics

31 August - 5 September 2013 | Hønefoss, Norway

HOME ORGANIZERS PRACTICALITIES REGISTRATION PROGRAM PUBLICATIONS

SCIENTIFIC PROGRAM

FINAL SCHEDULE

SATURDAY, AUGUST 31. ARRIVAL AND CHECK-IN

16:00	Arrival and check-in
19:00	Ice breaker reception followed by the conference dinner

SUNDAY, SEPTEMBER 1. SUBDUCTION AND PLUME DYNAMICS, NUMERICAL TECHNIQUES I

9:00	Welcome: Trond Torsvik
Subduction and Plume Dynamics 1 (SPD-1), <i>Chair: Trond Torsvik</i>	
09:05	Plume Generation and Migration: Eh Tan
10:05	Seismic Observations of Subduction Zones and Implications for Modelling, Hydration, and Volcanism: Ellen Syracuse
11:05	<i>Coffee break</i>
Numerical Techniques 1 (NT-1), <i>Chair: Stephanie Werner</i>	
11:30	Adding Complexity – Magnetohydrodynamics: Mats Carlsson
12:30	<i>LUNCH</i>
14:00	Short presentation of posters (PS-1), <i>Chair: Marcin Dabrowski</i>
14:45	Meeting of students with day's lecturers
15:30	<i>Coffee Break</i>
16:00	Poster Session 1 (PS-1): Numerical Techniques; Subduction and Plume Dynamics
18:00	Geology of Oslo area: Bjørn-Tore Larsen
18:30	General discussions, <i>moderated by Boris Kaus and Paul Tackley</i>
20:00	<i>DINNER</i>

MONDAY, SEPTEMBER 2. NUMERICAL TECHNIQUES II

Numerical Techniques 2 (NT-2), <i>Chair: Abigail Bull</i>	
09:00	Building Simulation Software for the Next Decade – Trends and Tools: Hans Petter Langtangen
10:00	ASPECT – Challenges and Solutions: Thomas Geenen
11:00	<i>Coffee break</i>

11:00	<i>Coffee break</i>
11:30	Meeting of students with day's lecturers
12:30	<i>LUNCH</i>
13:30	Geological Excursion (bus): Bjørn-Tore Larsen
20:00	<i>DINNER</i>

TUESDAY, SEPTEMBER 3. LINKING SURFACE AND DEEP PROCESSES

Linking Surface and Deep Processes 1 (LSD-1), <i>Chair: Craig Bina</i>	
09:00	Mineral Physics of the Dynamic Planets: Razvan Caracas
10:00	Mantle Structure – Temperature or Other Bulk Properties: Karin Sigloch
11:00	<i>Coffee break</i>
Linking Surface and Deep Processes 2 (LSD-2), <i>Chair: Pavel Doubrovine</i>	
11:30	Assimilating lithosphere and slab history in 4-D dynamic Earth models: Dan Bower
12:30	<i>LUNCH</i>
14:00	Short presentation of posters (PS-2), <i>Chair: Nicolas Flament</i>
14:45	Meeting of students with day's lecturers
15:30	<i>Coffee Break</i>
16:00	Poster Session 2 (PS-2): Linking Surface and Deep Processes
18:00	A New Generation of Satellite Data to Study the Lithosphere: Joerg Ebbing
18:30	General discussions, <i>moderated by Dave Stegman and Takashi Nakagawa</i>
20:00	<i>DINNER</i>

WEDNESDAY, SEPTEMBER 4. DYNAMICS OF PLANETARY INTERIORS

Dynamics of Planetary Interiors 1 (DPI-1), <i>Chair: Huw Davies</i>	
09:00	Diversity of Mantle Dynamics and Evolutions: Slava Solomatov
10:00	Thermal Boundary Control in Models of Rotating Convection and the Geodynamo: Christopher Davies
11:00	<i>Coffee break</i>
Dynamics of Planetary Interiors 2 (DPI-2), <i>Chair: Hana Cizkova</i>	
11:30	Modeling Dynamic Topographies of Planetary Bodies: Bernhard Steinberger
12:30	<i>LUNCH</i>
14:00	Short presentation of posters (PS-3), <i>Chair: Wim Spakman</i>
14:45	Meeting of students with day's lecturers
15:30	<i>Coffee Break</i>
16:00	Poster Session 3 (PS-3): Dynamics of Planetary Interiors; Multi-Scale Physics of the Crust and Lithosphere
18:30	General discussions, <i>moderated by Harro Schmeling and Mike Gurnis</i>
20:00	<i>DINNER</i>

THURSDAY, SEPTEMBER 5. MULTI-SCALE PHYSICS OF THE CRUST AND LITHOSPHERE

Multy-Scale Physics of the Crust and Lithosphere 1 (PCL-1), *Chair: Susanne Buiter*

09:00	Computational Porous Media Modelling: Hans Muhlhaus
10:00	Plasticity and Strain Localisation in the Crust and Lithosphere Models, Numerical Aspects: Laetitia Le Pourhiet
11:00	<i>Coffee Break</i>
11:30	Meeting of students with day's lecturers
12:30	<i>LUNCH</i>
14:00	Check out and departure (buses to Gardermoen)

ACTIVITIES

- Saturday, August 31: Ice Breaker, 19:00
- Monday, September 2: Geological Excursion by bus, 13:30



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