



LATE ACCRETION

ONTO TERRESTRIAL PLANETS

TRR 170 Seminar – Berlin WS 2022/2023

Mondays 14:30-16:00 (except where indicated otherwise).

Location: GeoCampus Lankwitz, Malteserstrasse 74-100

Haus C, Raum C014 (except where indicated otherwise)

- 7.11. Dr. Wladimir Neumann (TUB) "Temporally distributed parent body accretion in the C reservoir of the solar system"
- 14.11. Dr. Laetitia Allibert (MfN): "Earth-forming impacts: effects of the impact speed on the crater depth & benchmarking between laboratory experiments and numerical simulations"
- 21.11. Irene Bernt (DLR Berlin): "Thermochemical evolution of a differentiated lunar mantle"
- 28.11. Dr. Cecile Deligny (FUB) "Highly siderophile and volatile elements in CY chondrites: implications on the formation of their parent body"
- 8.12. Thursday! 16:15 in C011 jointly with Geo Colloquium** Prof. Marc Hirschmann (Univ. Bayreuth/Univ. Minnesota): "Earth's redox dynamics, from the magma ocean to the present"
- 12.12. *AGU week – No seminar*
- Christmas break
- 9.1. Randolph Roehlen (MfN): "Shattering of Impactor Cores During Magma Ocean Impacts"
- 16.1. Claudia Szczech (TUB): "Gravitational and topographic observations of basins on Mercury: implications on impact basin formation and crustal structure"
- Paul-Vincent Kötter (M.Sc. student, FUB): "Evidence against a Late Heavy Bombardment event on Vesta"
- 23.1. Maxence Regnault (FUB): „Moderately volatile element differences among carbonaceous chondrites and their origin“
- 30.1. Caroline Brachmann (DLR): tbd
- Frederike Storck (MSc student, FUB): Composition and evolution of the atmospheres of Venus and Earth
- 6.2. Ann-Kathrin Krämer (FUB): „Origin of moderately volatile elements in refractory inclusions of carbonaceous chondrites“
- 13.2. Prof. Audrey Bouvier (Universität Bayreuth): "Earth's composition was modified by collisional erosion"

Student talks should be 30-45 minutes, depending on progress. External speakers have 45 minutes for their presentation, followed by questions. Please consider the multidisciplinary background of the audience as you prepare your presentation. Well-explained basics are always very much appreciated.

In order to enhance communication among members of TRR 170, the seminar will be in presence and particularly students are expected to attend in presence. The room has an air ventilation system that can be turned on if necessary. We appreciate if you wear FFP2 masks, except for those who speak. We will use Webex and a video communication system to enable attendance for those who cannot be present.

Harry Becker and Lena Noack

Webex link:

Meeting link:

<https://fu-berlin.webex.com/fu-berlin-en/j.php?MTID=m68b9a556381a83e78a6c23e1d5c83cd9>

Meeting number:

2731 732 4433

Password:

EnyTvUS4A32