

Annual Report 2020

IAMG Student Chapter Freiberg & Dresden

General Information

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Chapter Board

President:	Sonja Frölich	froelich@geo.tu-freiberg.de
Vice President:	Eric Buchta	eric.buchta@tu-dresden.de
Secretary:	Theresa Schaller	theresa.schaller@tu-dresden.de
Treasurer:	Bruno Grafe	Bruno.Grafe@mabb.tu-freiberg.de
Webmaster:	Georg Semmler	georg.semmler@mailserver.tu-freiberg.de
Faculty Advisor:	Dr. Peter Menzel	peter.menzel@geophysik.tu-freiberg.de

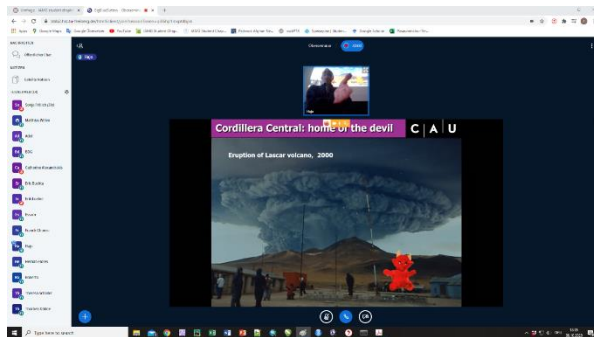
On September 19th Sonja Frölich (TUBAF*¹) and Eric Buchta (TUD*²) were elected as president and vice-president, respectively. Bruno Grafe (TUBAF*¹), Georg Semmler (TUBAF*¹) and Theresa Schaller (TUD*²) are still part of the board. Additionally, Dr. Peter Menzel (Institute of Geophysics and Geoinformatics, TUBAF*¹) remains faculty advisor. In the beginning of 2021, we will hold new elections for all board positions. Since January 1st, student chapter president Sonja Frölich is on maternity leave.

The year 2020 posed many difficulties for the student chapter due to the pandemic. (Just like for everyone else.) Our main focus, was to keep up activities as good as possible. Therefore, we held a number of online talks. Also, we had hybrid events: For the talks of Prof. H.-J. Götze a small number of students was present in the lecture hall (of course with large distances) and many other interested people were joining online. Considering the rather difficult circumstances the hybrid format was a huge success. So, we think about keeping this format even in the future, and even when normal events will be possible again.

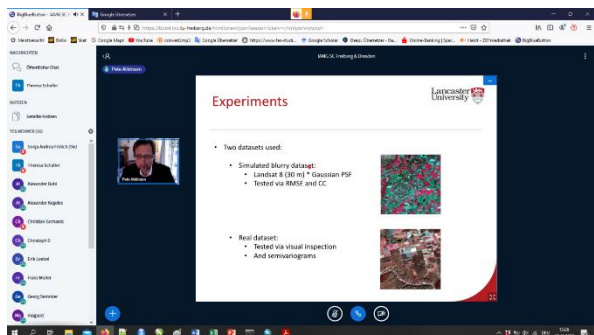
For 2021, we plan further online talks and also hybrid talks, once they are possible again. Also, in the summer we plan to have a hiking trip in the vicinity of Freiberg and Dresden including a geology short course for non-geologists. Further excursions, e.g., to MIBRAG and different (online) short courses are being planned as well. For this we ask for funding. We estimate based on expenses of the previous year, that we will need roughly 300 €.

Student Chapter Events 2020

- 19.09.2019 – MSc. Bruno Grafe (TUBAF*¹): “The Use of Cutting Forces for Classification of Rock Condition or Boundary Layer Detection during Excavation”
- 07.11.2019 – Prof. Dr.-Ing. Martin Horwath (TUD*²): “Global sea level change and the contributions from continental ice sheets – A geodesist’s perspective”
- 12.12.2019 – MSc. Georg Semmler (TUBAF*¹): “Geohub: A database system for managing reproducible geomodels”
- 20.02.2020 – Prof. Dr. Christian Gerhards (TUBAF*¹): “Inverse Problems in Geomagnetism and Gravimetry – with Focus on Problems”
- 16.04.2020 – MSc. Thorben Döhne (TUD*²): “Glancing Underneath the Ice – A Gravimetry Campaign in Southern Patagonia; online
- 28.05.2020 – MSc. Eric Buchta (TUD*²): “Geodetic expedition in Dronning-Maud Land, East Antarctica 2020”; online
- 08.10.2020 – Prof. Dr. Hans-Jürgen Götze (CAU*³ Kiel): “In the empire of condors - geophysical field measurements in the Central Andes”; hybrid
- 15.10.2020 – Prof. Dr. Hans-Jürgen Götze (CAU*³ Kiel): “TiPot - Towards the integrative interpretation of potential field data by 3D modelling & visualization”; hybrid
- 12.11.2020 – IAMG Distinguished Lecturer Prof. Peter Atkinson (Lancaster University): “Implications of the point spread function for downscaling and data fusion in remote sensing”; online



Talk by Prof. Dr. H.-J. Götze, October 8th, 2020, Dresden.



Talk by Distinguished Prof. P. Atkinson, December 11th, 2020.



Talk by Prof. Dr. H.-J. Götze, October 14th, 2020, Freiberg.

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*² Technische Universität Dresden

*³ Christian-Albrechts-Universität