

REMOTE SENSING OF GLACIERS

Matthias

Braun is professor of physical geography, remote sensing, and GIS at the Friedrich-Alexander Universität Erlangen-Nürnberg (FAU) since 2011. Prior to his appointment at FAU, he had been Professor of Geophysics at Univ. Alaska Fairbanks and senior scientist at the Center for Remote Sensing of Land Surface at Bonn University. He received the Diplom degree in hydrological sciences from Freiburg University in 1997, and his PhD in 2001 also from Freiburg University. Prof. Braun's research activities focus primarily on the analysis of microwaves and optical images from satellite and airborne earth observation systems. He and his research group apply these remote sensing techniques in order to derive glaciological variables on a large scale and to study the changes of glaciers and ice sheets.



How satellites help us monitor ice mass changes

Thorsten Seehaus received a Diploma degree in physics from the University of Würzburg, Würzburg, Germany, in 2011, and a Ph.D. in natural sciences from Friedrich-Alexander-University Erlangen-Nürnberg, in 2016. He finished an apprenticeship as a Mechatronics Technician at Jopp GmbH, Bad Neustadt an der Saale, Germany, in 2003.

In 2012, he joined the working group of GIS and remote sensing at the Institute of Geography, Friedrich-Alexander-University Erlangen-Nürnberg, where he is currently a Research Assistant. His research focuses on developing and applying remote sensing techniques for monitoring glacier changes on various scales and in various regions worldwide. He uses mainly multiresolution synthetic aperture radar (SAR) imagery to assess glacier variables, such as mass balances and area changes.



16. FEBRUAR 2022

17:00 – 18:00 Uhr (Vorträge + Q&A)

Bitte melden Sie sich per Email an polarstunde@polarforschung.de bis spätestens 15. Februar an. An alle Teilnehmenden wird der entsprechende (kostenlose) Zoom-Link rechtzeitig am Tag der Veranstaltung verschickt.

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