

PHYSIKALISCHES KOLLOQUIUM

Sommersemester 2023

Das Kolloquium findet (soweit nicht anders angegeben) **jeweils montags um 17:15 Uhr in Präsenz im Röntgen-Hörsaal des Physikalischen Instituts, Hubland Campus Süd, Universität Würzburg** statt.

05.06.2023

Prof. Dr. Angelika Humbert
Alfred-Wegener-Institut Bremen, Helmholtz-Zentrum für Polar- und Meeresforschung

Complex physical systems - physical processes of the Greenland Ice Sheet

Abstract

Dynamics of ice sheets is basically gravity driven lubricated flow, but non-linear processes on a multitude of spatial and temporal scales are making it a complex system. Calving of tidewater glaciers and floating glacier tongues is investigated using material theory of ice and fracture mechanics. Seasonality of glacier motion is driven by the process of sliding and seasonal water supply into the system. Here we discuss the interaction of the processes.

Für die Dozentinnen bzw. Dozenten der Fakultät

PD. Dr. Meyer, Prof. Dr. Klembt, Dr. Fromm, Dr. Feichtner und Hr. Kögel