

# BERNOULLIS TAFELRUNDE

GRADUATE STUDENT SEMINAR

**25 October 12:15-13:00**

Hybrid seminar

Seminar room 00.003, Spiegelgasse 1 / Zoom

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## **Geometric Measure Theory: Regularity for the Plateau Problem**

### ABSTRACT

In the 19<sup>th</sup> century, experiments with soap led to the problem of finding the surface of least area among those spanning a given boundary. Later, this was named the Plateau problem. In this talk, we will present various ways how find such minimizers and then focus on the methods of Geometric Measure Theory in order to discuss existence and regularity properties of minimal surfaces.