

Session Program

7-11 Sept 2026



Free Boundary Problems 2026

Free Boundaries in Shape Optimization

Humboldt Universität zu Berlin
Humboldt-Universität zu Berlin Unter den Linden 6 10099 Berlin

Tuesday 8 September

10:30

Free Boundaries in Shape Optimization: MS-5-1

Session |

Location: HU (Hegelplatz), DOR24/Floor 2-Room 205 - Lecture Hall, HU Berlin Dorotheenstrasse 24 (Hegelplatz) 10117 Berlin |

Convener: Matteo Novaga

10:30–11:00

\$2D\$-lattice models for magnetic skyrmions under confinement

Speaker

Maria Stella Gelli

11:00–11:30

A De Giorgi conjecture on the regularity of cartesian minimizers of the area in 1D

Speaker

Shokhrukh Kholmatov

11:30–12:00

Equilibrium shapes of liquid drops in the presence of discrete charges

Speaker

Cyrill Muratov

12:00–12:30

On the shape optimization for Hartree energies

Speaker

berardo ruffini

12:30

16:30

Free Boundaries in Shape Optimization: MS-5-2

Session |

Location: HU (Hegelplatz), DOR24/Floor 2-Room 205 - Lecture Hall, HU Berlin Dorotheenstrasse 24 (Hegelplatz) 10117 Berlin |

Convener: Giuseppe Buttazzo

16:30–17:00

Spectrum of the p -Laplacian on general open sets.

Speaker

Luca Briani

17:00–17:30

Fourth order eigenvalue problems in geometry

Speaker

Maria del Mar Gonzalez Noguera

17:30–18:00

Boundary regularity of a fourth-order free boundary problems.

Speaker

Mickaël Nahon

18:00–18:30

From diffuse dislocations to polygonization: a Beltrami-driven instability

Speaker

Nicolas Van Goethem

18:30