

Session Program

7-11 Sept 2026



Free Boundary Problems 2026

Degenerate PDEs and Free Boundary Problems

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

Thursday 10 September

10:30

Degenerate PDEs and Free Boundary Problems: MS-1-1

Session |

Location: HU (Main Building), Main Building/Floor 1-Room 2097 - Lecture Hall, HU Berlin Main Building Unter den Linden 6 10117 Berlin |

Convener: José Miguel Urbano

10:30–11:00

An unstable parabolic problem

Speaker

Mark Allen

11:00–11:30

Multiscale Mechanisms in Elliptic Regularity

Speaker

Hector Chang-Lara

11:30–12:00

Constraint maps: singularities vs. free boundaries

Speaker

Sunghan Kim

12:00–12:30

A free boundary problem with non-local obstacle

Speaker

Dr Hayk Mikayelyan

12:30

14:00

Degenerate PDEs and Free Boundary Problems: MS-1-2

Session |

Location: HU (Main Building), Main Building/Floor 1-Room 2097 - Lecture Hall, HU Berlin Main Building Unter den Linden 6 10117 Berlin |

Convener: Damião J. Araujo

14:00–14:30

Unified A-priori Estimates for Minimizers under p, q -Growth and Exponential Growth

Speaker

Cintia Pacchiano

14:30–15:00

Well-posedness for fully nonlinear free transmission problems

Speaker

Edgard Pimentel

15:00–15:30

Dead core problems in the nonlocal setting

Speaker

Dr Disson dos Prazeres

15:30–16:00

The degenerate quenching problem

Speaker

Dr Rafayel Teymurazyan

16:00

Friday 11 September

09:00

Degenerate PDEs and Free Boundary Problems: MS-1-3

Session |**Location:** HU (Main Building), Main Building/Floor 1-Room 2097 - Lecture Hall, HU Berlin Main Building Unter den Linden 6 10117 Berlin |**Convener:** José Miguel Urbano

09:00–09:30

On the regularity of minimizers arising from singular minimal surface-like energies

Speaker

Aelson Sobral

10:00–10:30

Higher regularity in nonlocal free boundary problems

Speaker

Marvin Weidner

11:00