

Session Program

7-11 Sept 2026



Free Boundary Problems 2026

Plenary Talk

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

Monday 7 September

11:15

Plenary Talk: Welcoming and Opening

Session |

Location: HU (Hegelplatz), DOR24/Floor 1-Room 101 - Lecture Hall, HU Berlin Dorotheenstrasse 24 (Hegelplatz) 10117 Berlin

11:30

Plenary Talk: Martin Burger

Session |

Location: HU (Hegelplatz), DOR24/Floor 1-Room 101 - Lecture Hall, HU Berlin Dorotheenstrasse 24 (Hegelplatz) 10117 Berlin |

Convener: Michael Hintermüller

11:30–12:30

Phase Separation in Transport-Cross-Diffusion Models

Speaker

Martin Burger

12:30

16:30

Plenary Talk: Maria Giovanna Mora

Session |

Location: HU (Hegelplatz), DOR24/Floor 1-Room 101 - Lecture Hall, HU Berlin Dorotheenstrasse 24 (Hegelplatz) 10117 Berlin |

Convener: Ulisse Stefanelli

16:30–17:30

On the Minimization of Nonlocal Interaction Energies

Speaker

Prof. Maria Giovanna Mora

17:30

18:00

Plenary Talk: José Francisco Rodrigues

Session |

Location: HU (Hegelplatz), DOR24/Floor 1-Room 101 - Lecture Hall |

Convener: Michael Hintermüller

18:00–18:45

Mathematics of Free Boundaries — A Brief History

Speaker

José Francisco Rodrigues

18:45

Tuesday 8 September

09:00

Plenary Talk: Julian Fischer

Session |

Location: HU (Hegelplatz), DOR24/Floor 1-Room 101 - Lecture Hall, HU Berlin Dorotheenstrasse 24 (Hegelplatz)
10117 Berlin |

Convener: Helmut Abels

09:00–10:00

Geometric relative energy methods for interface evolution problems and sharp-interface limits

Speaker

Prof. Julian Fischer

10:00

Wednesday 9 September

09:00

Plenary Talk: Joaquim Serra

Session |

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

Convener: Damião J. Araujo

09:00–10:00

Regularity of Stable Free Boundaries

Speaker

JOAQUIM SERRA

10:00

16:30

Plenary Talk: Matteo Novaga

Session |

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

Convener: José Francisco Rodrigues

16:30–17:30

The periodic Kelvin problem

Speaker

Matteo Novaga

17:30

Thursday 10 September

09:00

Plenary Talk: Senjo Shimizu

Session |

Location: HU (Main Building), Main Building/Floor 1-Room 2091 - Lecture Hall, HU Berlin Main Building Unter den Linden 6 10117 Berlin |

Convener: Hans Knüpfer

09:00–10:00

Free boundary problems for the Navier-Stokes equations in scaling critical spaces

Speaker

Senjo Shimizu

10:00

16:30

Plenary Talk: Chandrasekhar Venkataraman

Session |

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

Convener: Axel Voigt

16:30–17:30

Free boundaries on moving boundaries - Stefan-type problems on evolving surfaces

Speaker

Chandrasekhar Venkataraman

17:30

17:30

Plenary Talk: Klaus Deckelnick

Session |

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

Convener: Robert Nürnberg

17:30–18:30

Error analysis of a finite element scheme for parametric mean curvature flow

Speaker

Klaus Deckelnick

18:30

Friday 11 September

11:30

Plenary Talk: Balázs Kovács

Session |

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

Convener: Buyang Li

11:30–12:30

A Lagrange-multiplier algorithm for mean curvature flow: structure-preservation and error estimates

Speaker

Balázs Kovács

12:30

12:30

Plenary Talk: Maxim Olshanskii

Session |

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

Convener: Michael Hinze

12:30–13:30

Parabolic PDEs on evolving domains with topological transitions: well-posedness and numerical analysis

Speaker

Maxim Olshanskii

13:30

13:30

Plenary Talk: Closing Remarks

Session |

Location: HU (Main Building), Main Building/Floor 1-Room Senatssaal - Senatssaal, HU Berlin Main Building Unter den Linden 6 10117 Berlin

13:45