

Session Program

7-11 Sept 2026



Free Boundary Problems 2026

Fluid-structure Interactions

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

Thursday 10 September

10:30

Fluid-structure Interactions: MS-9-1

Session |

Location: HU (Main Building), Main Building/Floor 2-Room 3075 - Lecture Hall, HU Berlin Main Building Unter den Linden 6 10117 Berlin |

Convener: Igor Kukavica

10:30–11:00

Range failure, resolvent growth, and resonance in partially dissipative systems

Speaker

Boris Muha

11:00–11:30

Finite-time contact in fluid-elastic structure interactions

Speaker

Krutika Tawri

11:30–12:00

Variational methods for fluid-structure interactions

Speaker

Sebastian Schwarzacher

12:30

14:00

Fluid-structure Interactions: MS-9-2

Session |

Location: HU (Main Building), Main Building/Floor 2-Room 3075 - Lecture Hall, HU Berlin Main Building Unter den Linden 6 10117 Berlin |

Convener: Sebastian Schwarzacher

14:00–14:30

Numerical Modeling and Analysis of Self-Propelled Motion of Deformable Bodies in Fluids

Speaker

Thomas Richter

14:30–15:00

Well-posedness theorems in fluid-structure interaction: perfectly elastic shells

Speaker

Dominic Breit

15:00–15:30

New results on the asymptotics of Stokes problem with application to fluid solid problems

Speaker

Matthieu Hillairet

16:00

Friday 11 September

09:00

Fluid-structure Interactions: MS-9-3

Session |**Location:** HU (Main Building), Main Building/Floor 2-Room 3075 - Lecture Hall, HU Berlin Main Building Unter den Linden 6 10117 Berlin |**Convener:** Yadong Liu

09:00–09:30

On the motion of a rigid body in a perfect compressible fluid

Speaker

Pei SU

10:00–10:30

Collective effect of a large system of heavy particles immersed in a Newtonian fluid

Speaker

Prof. Arnab Roy

10:30–11:00

Long-Time Behavior of Fluid-Structure Interaction Models

Speaker

Igor Kukavica

11:00