

1st Young-Scientists Retreat

15-20 September 2024

	Monday, 16.09.2024	Tuesday, 17.09.2024	Wednesday, 18.09.2024	Thursday, 19.09.2024	Friday, 20.09.2024
09:00 – 10:00	Per-Olof Perrson: (UC Berkeley) <i>High-Order Discontinuous Galerkin Methods for Fluid and Solid Mechanics</i>	Per-Olof Perrson: (UC Berkeley) <i>High-Order Discontinuous Galerkin Methods for Fluid and Solid Mechanics</i>	Per-Olof Perrson: (UC Berkeley) <i>High-Order Discontinuous Galerkin Methods for Fluid and Solid Mechanics</i>	Simon Markfelder: (University of Konstanz) <i>Introduction to convex integration in the context of mathematical fluid dynamics</i>	Jens Keim: (University of Stuttgart) <i>Phase Field Models for Compressible Multiphase Flows with Phase Transition</i>
10:15 – 11:15	Marlies Pirner: (University of Münster) <i>On methods for studying the long-time behaviour of kinetic equations</i>	Victor Michel-Dansac: (IRMA Strasbourg) <i>Neural and hybrid methods for elliptic and hyperbolic PDEs</i>	Victor Michel-Dansac: (IRMA Strasbourg) <i>Neural and hybrid methods for elliptic and hyperbolic PDEs</i>	Simon Markfelder: (University of Konstanz) <i>Introduction to convex integration in the context of mathematical fluid dynamics</i>	Group Work
11:30 – 12:30	Niklas Fehn: (TU Munich) <i>Anomalous energy dissipation and physics-compatible finite element methods for incompressible flows</i>	Niklas Fehn: (TU Munich) <i>Anomalous energy dissipation and physics-compatible finite element methods for incompressible flows</i>	Marlies Pirner: (University of Münster) <i>On methods for studying the long-time behaviour of kinetic equations</i>	Jens Keim: (University of Stuttgart) <i>An introduction to Reinforcement Learning in CFD with Applications</i>	Group Work
	LUNCH	LUNCH		LUNCH	LUNCH
14:00 – 15:00	Matthias Sroczinski: (University of Konstanz) <i>Global existence of small solutions in dissipative hyperbolic systems</i>	Matthias Sroczinski: (University of Konstanz) <i>Global existence of small solutions in dissipative hyperbolic systems</i>	Group Work / Hike	Group Work	(Group Work)
15:15 – 17:00	Project Presentation	Group Work	Group Work / Hike	Group Work	
18:00	DINNER	DINNER		DINNER	