

	Monday, 10.03.2025					
	Speaker	PI	Title			
08:30			Welcome and registration			
09:00	Rohde/Oberlack/Giesselmann		Opening			
09:10	1 Wenbin Zhang	Adams	Implicit LES of high Mach and high Reynolds number compressible turbulent flows			
			enhanced by multidimensional flow field information using optimized flux functions and			
			targeted reconstruction procedures due to machine-learned nonlinear neural operators			
09:30	2 Insa-Marie Schneider	Kuzmin	Stochastic subgrid scale modeling and structure-preserving flux limiting for hyperbolic			
			systems			
09:50			Coffee break			
10:10	3 Marcel Śliwiński	Eiter, Lasarzik	Analysis of energy-variational solutions for hyperbolic conservation laws			
10:30	4 Gunnar Birke	Engwer	EsCUT: Entropy-stable high-order CUT-cell discontinuous Galerkin methods: Part 1			
10:50	5 Louis Petri	Ranocha	EsCUT: Entropy-stable high-order CUT-cell discontinuous Galerkin methods: Part 2			
11:10	6 Jan Friedrich	Friedrich	Balance laws with space-dependent nonlocalities: modeling, simulation and uncertainty			
			quantification (NonLoc): Part 1			
11:30			Lunch and coffee			
13:00	7 Fabian Ziegler	Göttlich	Balance laws with space-dependent nonlocalities: modeling, simulation and uncertainty			
			quantification (NonLoc): Part 2			
13:20	8 Matthias Sroczinski	Freistühler	Stability of shock waves under hyperbolic dissipation			
13:40	9 Robert Sauerborn	Giesselmann, Öffner	Dissipative solutions for the Navier-Stokes-Korteweg system and their numerical treatment			
14:00	10 Kiwoong Kwon	Giesselmann, Krumscheid	A posteriori error control for statistical solutions of barotropic Navier-Stokes equations			
14:20			Coffee break			
14:40	11 Amelie Porfetye	Helzel	An active flux method for the Euler equations: Part 1			
15:00	12 Zhuyan Tang	Lukáčová	An active flux method for the Euler equations: Part 2			
15:20	13 Niklas Kolbe	Herty, Müller	Numerical schemes for coupled multi-scale problems			
15:40	14 Shaoshuai Chu	Herty	Random compressible Euler equations: numerics and its analysis: Part 1			
16:00			Coffee break			
16:20	15 Changsheng Yu	Lukáčová	Random compressible Euler equations: numerics and its analysis: Part 2			
16:40	16 Lisa Lechner	Klingenberg	A structure-preserving compact high-order method for multi-dimensional hyperbolic			
			conservation laws			
17:00	17 Dominic Beit	Breit	Compressible Euler equations with transport noise			
17:20	18 Valentin Pellhammer	Markfelder	Convex integration: towards a mathematical understanding of turbulence, Onsager			
			conjectures and admissibility criteria			
17:40	Rohde/Keim		Orga, events, announcements and discussion			
18:10			End of day 1			



	Conference Dinner				
	Tuesday, 11.03.2025				
	Speaker	PI	Title		
09:00	19 Simon Görtz	Oberlack	Approximation Methods for Statistical Conservation Laws of Hyperbolically Dominated Flow:		
			Part 1		
09:20	20 Qian Huang	Rohde	Approximation Methods for Statistical Conservation Laws of Hyperbolically Dominated Flow:		
			Part 1		
09:40	21 Nils Eschstruth	Ortleb	Asymptotic preserving high order generalized upwind SBP schemes with IMEX time		
			integration applied to kinetic transport models		
10:00	22 Georgy Zinchenko	Schumacher	Convex integration and dissipative anomaly in compressible turbulence		
10:20			Coffee break		
10:40	23 Rishabh Gvalani	Gvalani	Rough and nonlinear transport in stochastic fluid dynamics		
11:00	24 Ferdinand Thein	Thein	A sharp interface limit by vanishing volume fraction for non-equilibrium two phase flows		
			modeled by hyperbolic systems of balance laws		
11:20	25 Lukas Netterdon	Torrilhon	Model cascades for stochastic particle simulations of rarefied polyatomic gases: Part 1		
11:40			Lunch and coffee		
13:10	26 Veronica Montanaro	Gorji	Model cascades for stochastic particle simulations of rarefied polyatomic gases: Part 2		
13:30	27 Alessandro Violini	Crippa	Inhomogeneous and compressible fluids: statistical solutions and dissipative anomalies		
13:50	Rohde/Oberlack/Giesselmann		Closing words		
14:00			End of day 2		