

# Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
09:00	<b>Giesselmann, Jan</b>	<b>May, Sandra</b>		<b>Hantke, Maren</b>	<b>Klein, Rupert</b>
-		<i>Approaches for solving hyperbolic conservation laws on cut cell meshes</i>		<i>Modelling Phase Transition with the Baer-Nunziato Model</i>	<i>Well-balanced and scale-dependent time integration for atmospheric flows</i>
10:00	<i>A Posteriori Error Estimates of Numerical Methods for Random Hyperbolic Conservation Laws</i>				
10:00	<b>Coffee Break</b>	<b>Coffee Break</b>		<b>Coffee Break</b>	<b>Coffee Break</b>
10:30					
10:30	<b>Joshi, Hrishikesh</b>	<b>Streitbürger, Florian</b>		<b>Matern, Christoph</b>	<b>Hastermann, Gottfried</b>
-				<i>The Riemann problem for a weakly hyperbolic two-phase flow model of a dispersed phase in a carrier fluid</i>	<i>Towards robust numerical methods for combined model and data dynamics of atmospheric models with multiple scales</i>
11:15	<i>Model adaptation for hyperbolic balance laws</i>	<i>A stabilized DG cut cell method for discretizing the linear transport equation</i>			
11:15	<b>Gerster, Stephan</b>	<b>Kerkmann, David</b>		<b>Yaghi, Hazem</b>	<b>Dörffel, Tom</b>
-				<i>Riemann problem for a diffuse interface multiphase mixture model</i>	<i>Energy Balances of Tropical Cyclones: Generation of Available Potential and Kinetic Energy by Diabatic Heating</i>
12:00	<i>Stochastic Galerkin Formulations for Hyperbolic Conservation Laws</i>	<i>Active Flux Methods for Hyperbolic Conservation Laws - ADER Interpretation and Application to Cut Cells Meshes</i>			
12:30	<b>Lunch Break</b>	<b>Lunch Break</b>		<b>Lunch Break</b>	<b>Lunch Break</b>
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14:30					
14:30	<b>Kerkhoff, Xenia</b>	<b>Barsukow, Wasilij</b>			<b>Mantri, Yogiraj</b>
-					<i>High order well-balanced schemes for flows in networks</i>
15:15	<i>Commutative properties of space-time DG schemes for optimal control problems constrained by convection diffusion equations</i>	<i>The low Mach number limit of the Active Flux scheme</i>			
15:15	<b>Müller, Siegfried</b>	<b>Minakowski, Piotr</b>			<b>Borsche, Raul</b>
-					<i>Kinetic layers and coupling conditions for hyperbolic PDEs on networks</i>
16:00	<i>Multiwavelet-Based Grid Adaptation with Discontinuous-Galerkin schemes for Conservation Laws</i>	<i>On the Euler System with Variable Congestion and application to crowd dynamic</i>			
16:00	<b>Coffee Break</b>	<b>Coffee Break</b>			<b>Coffee Break</b>
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16:30					
16:30	<b>Ni, Guoxi</b>	<b>Hayat, Adnan</b>		<b>Hike</b>	<b>Holle, Yannick</b>
-					<i>Kinetic coupling conditions for isentropic flows on networks</i>
17:15	<i>Adaptive Multi-resolution Interface Method for Three Dimensional Reacting Flow</i>	<i>Theoretical analysis of forced segmented temperature gradients in liquid chromatography</i>			
17:15					
17:15				<b>Warnecke, Gerald</b>	<b>Zacharenakis, Dimitrios</b>
-				<i>C. F. Gauß and Geodesy (after dinner)</i>	<i>Asymptotic preserving (AP) schemes for gas flows on large networks</i>
18:00					

Hike

Hike