

## **Droplet Interaction Technologies DROPIT (GRK 2160/1) Doctoral Seminar - AGENDA**

Wednesday,	15.5.2019:
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8:45-9:00	Welcome and start of the PhD seminar	
9.00-9:30	Project B5: Martina Baggio  Numerical computation for drop impact on textured surfaces	
9:30-10:00	Project C4: Alexander Straub Visualization of droplet-liquid interaction	
BREAK		
10:30-11:00	Project C5: Visakh Vaikuntanathan  Development of novel optical technique for micro-fluid dynamics	
11:00-11:30	Associated Project 1: Stefanie Fest-Santini Usage of Micro-CT for detailed surface description	
11:30-12:00	Associated Project 2: Francescocarlo Massa	
	High-order numerical methods for multi-component incompressible flows	
LUNCH		
13:00-13:30	Associated Project 3: Karin Schlottke DNS of droplet evaporation	
13:30-14:00	Associated Project 4: Yanchao Liu	
	Droplet interaction at high velocities	
14:00-14:30	Project B1: Patrick Foltyn	
	Droplet collisions with solid superhydrophilic surfaces	
BREAK		
15:00-15:30	Project B2: Manuel Giovanni Gritti Drop impact/deposition onto micro-structured hydrophobic and	
15:30-16:00	superhydrophobic surfaces <b>Project B3: Robert Haide</b> Characterisation of porous media by X-ray micro computed tomography	
16:00-17:00	DROPIT Internal: Administrative issues, Midterm Reviews	





## DROPIT International Research Training Group 2160 Droplet Interaction Technologies

Thursday, 16.5.2019:		
8:45-9:00	Welcome and start of the second day of the PhD seminar	
9:00-9:30	Project B6: Sina Ackermann Upscaling of coupled free-flow porous media flow processes	
9:30-10:00	Project B4: Lukas Ostrowski Compressible effects in droplet interactions with textured walls	
BREAK		
10:30-11:00	Project A6: Jonas Zeifang A discontinuous Galerkin method for droplet dynamics in weakly compressible flows	
11:00-11:30	Project C1: Ronan Bernard Micro and macro drop impact dynamics with miscible liquids	
11:30-12:00	Project A1: Gautham Varma Raja Kochanattu  Modelling of deformed, multi-component liquid drop evaporation	
LUNCH		
13:00-13:30	Project A2: Christoph Müller  Multi-scale modelling of the evaporation process	
13:30-14:00	Project A3: Wladimir Reschke	
14:00-14:30	Gas-kinetic simulation of microdroplet - gas interaction  Project A4: Simone Chiochetti	
	Numerical methods for compressible multi-phase flows with complex equations of state	
BREAK		
15:00-15:30	Associated Project 5: Melanie Lipp A locally-refined quadtree finite-volume staggered-grid scheme	
15:30-15:45	Associated Project 6: Denis Hoch Oil mist deposition in textile filters – from nano CT-Scans to CFD simulations.	
15:45-16:00	Associated Project 7: Luca Verzeroli  DG methods for linear elasticity: implementation, validation and perspectives	
16:00	Summary and end of doctoral seminar	
16:00-16:30	DROPIT Internal: Administrative issues	



20:00



**Common Dinner (Doctoral Seminar/DIPSI)**