
Droplet Interaction Technologies, DROPIIT (GRK 2160/2) Kick-Off for the Second Funding Period and Doctoral Seminar– AGENDA

Wednesday, 08.09.2021:

Kick-Off for the Second Funding Period

- 10:00-10:30 **Introduction by Rectors R. Morzenti Pellegrini** (University of Bergamo) and **W. Ressel** (University of Stuttgart)
- 10:30-11:00 **Address speech by the General Consul of Germany Mrs Ingrid Jung**
- 11:00-11:20 **Retrospective on DROPIITs first funding period** (Weigand/Cossali)
- 11:20-11:40 **Overview on DROPIITs second funding period** (Weigand/Cossali)
- 11:40-12:00 **Discussion and Closure**

LUNCH

Doctoral Seminar

- 13:40-14:20 **Project B5: Midterm Review Weibo Ren**
Numerical computation for drop impact on textured surfaces
- 14:20-14:40 **Project B4: Andrej Baric**
Compressible effects in droplet interactions with textured walls
- 14:40-15:20 **Project A2: Midterm Review Pascal Mossier**
Multi-scale modelling of the evaporation process

COFFEE BREAK

- 15:40 -16:00 **Project B1: Patrick Palmetshofer**
Droplet collisions with solid superhydrophilic surface
- 16:00-16:40 **Project C1: Midterm Review Stefan Schubert**
Micro and macro drop impact dynamics with miscible liquids
- 16:40-17:00 **Project B2: Manuel Giovanni Gritti**
Drop impact/deposition onto micro-structured hydrophobic and superhydrophobic surfaces
- 17:00-17:30 **Project B6: Midterm Review Maziar Veyskarami**
Coupled free flow-porous media flow processes including drop formation
- 17:30-18:00 **DROPIIT Internal: Administrative Issues**
- 18:00 **End of the first day**

08.09.2021, 20:00: Dinner together in Bergamo!

Thursday, 09.09.2021:

- 09:30-09:40 **Welcome and start of the second day**
- 09:40-10:00 **Project A4: Simone Chiocchetti**
Numerical methods for compressible multi-phase flows with complex equation of state
- 10:00-10:40 **Project A3: Midterm Review Raphael Tietz**
Gas-kinetic simulation of microdroplet - gas interaction
- 10:40-11:20 **Project A6: Midterm Review Daniel Appel**
Multi-Scale Modelling of Compressible Droplet Clustering for Lagrangian Models
- 11:20-11:40 **Project C4: Daniel Klötzl**
From Morse Theory and Jacobi Sets to Flow Visualization
- 11:40-12:00 **Project C2: Jonathan Stober**
Oblique drop impact onto a wetted surface

COFFEE/LUNCH BREAK

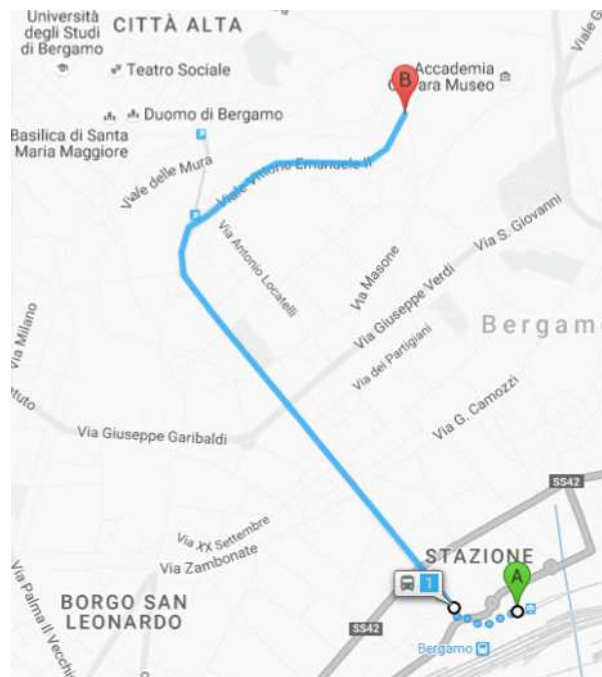
- 13:40-14:00 **Associated Project 4: Yanchao Liu**
Numerical investigation of coaxial air-water jets at high velocities
- 14:00-14:20 **Associated Project 5: Melanie Lipp**
A locally-refined quadtree finite-volume staggered-grid scheme
- 14:20-14:40 **Associated Project 6: Dennis Hoch**
Oil mist deposition in textile filters – from nano CT-Scans to CFD simulations.
- 14:40-15:00 **Associated Project 7: Luca Verzeroli**
BR2 dG discretizations for finite elastic deformations
- 15:00-15:20 **Project C3/Associated Project 2: Francesco Carlo Massa**
High-order numerical methods for multi-component incompressible flows
- 15:20 **Summary and end of doctoral seminar**

Kickoff and Doctoral Seminar venue



Sant'Agostino Conference Room

Via Fara, 24129 Bergamo, <https://goo.gl/maps/8n36WxNGWeS2>



Connections are guaranteed by taxi or Bus line 1 (ticket for "1 zona – tariffa A") starting from the train station.

Dinner, Wednesday 08.09.2021, 20:00

The dinner will take place at Ristorante Pizzeria Da Franco, Via Bartolomeo Colleoni, 8, 24129 Bergamo BG, <https://www.dafrancobergamo.it/>