Conference venue

Sant’Agostino Conference Room
Via Fara, 24129 Bergamo

https://goo.gl/maps/8n36WxNGWeS2

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Organisation committee

G. E. Cossali (Chairman)
S. Fest-Santini
M. Santini
S. Tonini

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

DIPSI Workshop
2018
Droplet Impact Phenomena & Spray Investigations

Bergamo, 18th May 2018

DIPSI 2017 Participants, Bergamo 26th May 2017

DROPIIT Workshop
17th May 2018

X-ray microCT of 3D multiple interfaces: two glass spheres and a water drop in dodecane
Workshop goals

This is the twelfth edition of the workshop on drop/spray impact phenomena and spray investigations organised by the University of Bergamo. It represents an important opportunity to share the recent knowledge on droplets and sprays in a variety of research fields and industrial applications.

DROPIT Workshop

On 17th May 2018, in the same location of the DIPSi Workshop, a dedicated workshop for the doctoral students will be organised within the International Research Training Group on the topics of Droplet Interaction Technologies (GRK 2160, DROPIT), leaded by Universität Stuttgart, in partnership with Università degli Studi di Bergamo and Università degli Studi di Trento.

http://www.uni-stuttgart.de/itlr/graduierten/dropit.php

Preliminary program

17th May 2018, Thursday

13:00 DROPIT Workshop

20:00 Dinner at Ristorante Caffè Funicolare, Via Porta Dipinta 1, 24129 - Bergamo

18th May 2018, Friday

08:30 Registration

08:50 Welcome speech

09:00 S1: Phase change in drops/sprays

09:00 C. Crua, J. Manin, L.M. Pickett, Transcritical mixing of sprays for multi-component fuel mixtures.


09:50 G. Lamanna, C. Steinhausen, P. Palmethofer, B. Weigand, Influence of solubility effects and diffusion coefficient models on the drop vaporisation rate at high pressure.

10:15 Coffee break

10:45 S2: Spray formation


11:10 G. Langella, A. Amoresano, How the half cone angle fluctuation characterizes a pressure swirl spray behaviour.

11:35 L.J. Kapusta, Spray measurements in SCR systems development.


12:25 Lunch break

13:30 Poster session

14:00 S3: Spray applications

14:00 H. Hinterbichler, H. Steiner, G. Brenn, The dynamics of self-similar consumer sprays.

14:25 I. Lund, Micro-jet technology for single plant herbicide application.

14:50 Coffee break

15:20 S4: Drop/spray impact


15:45 A. Montanaro, L. Allocca, Experimental analysis of a GDI spray impacting on a heated wall.


16:35 Workshop closure

Publication

A successive publication of the works presented during the workshop will be made as short communication format. Anyone, who has contributed to the workshop with oral or poster presentation, will be asked to send us a manuscript by 30th June 2018. We will include it in a CD-ROM with ISBN which will be distributed to all the participants. A format for the manuscript will be provided successively.