



ILASS

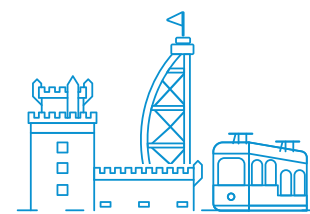
34TH EUROPEAN CONFERENCE ON LIQUID ATOMIZATION AND SPRAY SYSTEMS

6-9 September 2026 | Lisboa, Portugal

PROGRAMME



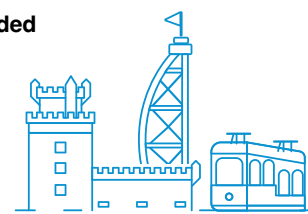
9h00	Keynote Lecture <i>Chair: Ana Moita</i> Machine Learning May End the Need for Empirical Correlations: Case of Drop Impact Studies <i>Alidad Amirfazli</i>
9h50	Atomization Fundamentals I <i>Chair: Manuel Reddemann</i>
9h50	Impact of Rotor Downwash and Crosswind on Spray Plume Characteristics: A Laboratory Investigation Using Traversal Sampling <i>James M W Vernon, Simon Cooper, Nwabueze Emekwuru</i>
10h10	<i>Discussion</i>
10h15	Modeling Distortion and Breakup of Free Radial Liquid Films Using a Combined Thin-Film and Rim Model <i>Alireza Rouhi, Alexander Gyurkovich, Pierre Grimm, Carsten Mehring</i>
10h35	<i>Discussion</i>
10h40	Coffee Break
11h10	Atomization Fundamentals II <i>Chair: Carole Planchette</i>
11h10	Effect of Viscosity on the Bag Thickness in Aerodynamic Droplet Breakup <i>Samy Seddiki, Isaac M. Jackiw</i>
11h30	<i>Discussion</i>
11h35	Ultra-High-Speed Investigation of Flash Boiling in Ethanol Droplet Chains Induced by Satellite Droplet Collisions <i>Lukas Eich, Henrik Schmitz, Peter Augustin, Wilko Rohlf, Manuel Reddemann</i>
11h55	<i>Discussion</i>
12h00	Correlation-Based Turbulent Weber Number and Taylor Reynolds Number in a Fan-Stirred Isotropic Chamber: Hinze's Relation and Breakup Regimes <i>Veli Can Cosar, Yeabsira Simeka, Özgür Ertunç</i>
12h20	<i>Discussion</i>
12h25-14h00	Lunch
14h00	Droplet-Wall Interaction I <i>Chair: Michel Gradeck</i>
14h00	On the Non-Deterministic Fingering Event in Single-Drop Impact on Dry Surfaces <i>Miguel R. Clemente, Miguel O. Panão</i>
14h20	<i>Discussion</i>
14h25	Role of wettability on coupling between droplet dynamics and boiling during drop impact on heated surface <i>Ophélie Caballina, Thomas Potaufoux, Alexis Garcia Wong, Thierry Czerwiec, Guillaume Castanet</i>
14h45	<i>Discussion</i>
15h15-15h45	Coffee Break
15h45	Interfacial and Multiphase Physics I <i>Chair: Miguel Panão</i>
15h45	Optical investigation of effect of L/D ratio on transcritical cryogenic sprays <i>Fergus Murphy-Hunt, Campbell Marlow-Eastwood, Martin White, Cyril Crua</i>
16h05	<i>Discussion</i>
16h10	Investigation of flash-boiling processes in cryogenic sprays <i>Campbell Marlow-Eastwood, Fergus Murphy-Hunt, Yuzhao Liu, Konstantina Vogiatzaki, Yekuan Shentu, Cyril Crua</i>
16h30	<i>Discussion</i>
16h35	Unified Modeling of In-Nozzle Flow and Aerodynamic–Thermodynamic Eulerian-Lagrangian Breakup for Predicting Flash Boiling Spray Behavior <i>Mofetoluwa Fagade, Frans Joseph Arguelles, Sean King, XiaoHang Fang</i>
16h55	<i>Discussion</i>
18h15	Annual General Meeting (AGM)



Monday, 7th September 2026

BEIJING ROOM

9h50	Atomization: Applications I <i>Chair: Lucio Araneo</i>
9h50	Impact of apex angle of the gas nozzle in governing exit pressure and shock structures in gas atomization <i>Sumit Rai, Supriya Sarkar, Shamit Bakshi</i>
10h10	<i>Discussion</i>
10h15	Uniformization of discharge flow in a rotary atomizer using a cylindrical insert <i>Yechan Seo, Jeekeun Lee</i>
10h35	<i>Discussion</i>
10h40	Coffee Break
11h10	Experimental Methods for Droplets & Sprays I <i>Chair: Steven Begg</i>
11h10	Optical Measurement of Liquid Film Thickness in Swirl Atomizers with Correction for Refractive Distortion <i>Kutay Anbarcı, Mustafa Aykan Uzun, Özgür Ertunç</i>
11h30	<i>Discussion</i>
11h35	First Characterisation of a typical Aero-engine pre-filmer atomizer through Surface Curvature Analysis <i>Anbarasan Sekar, Saïd Idlahcen, Stefan R Harth, Julien Reveillon, Benjamin Duret, Jean-Bernard Blaisot, François-Xavier Demoulin</i>
11h55	<i>Discussion</i>
12h00	Flow Regime Analysis of Slit Nozzle Operating Conditions under Vacuum Using CFD and Optical Diagnostics for Powder Aerosol Deposition <i>Maroua Ghodbene, Henry Auer, Christopher Franzke, Jochen Maaß, Ralf Moos</i>
12h20	<i>Discussion</i>
12h25-14h00	Lunch
14h00	Experimental Methods for Droplets & Sprays II <i>Chair: Edouard Berrocal</i>
14h00	Near-Field Particle Image Analysis of Liquid Ammonia Sprays from a GDI Injector <i>Yi-Rong Chen, Akihiro Hayakawa, Utkarsha Sonawane, Camille Hespel, Christine Mounaïm-Rousselle</i>
14h20	<i>Discussion</i>
14h25	Effect of fluid property on the atomization of perturbed liquid jets <i>Kamal Kumar Yadav, Aditya Saurabh</i>
14h45	<i>Discussion</i>
14h50	Phase-Resolved Imaging of Aperture Plate Oscillation and Jet Timing in a Vibrating Mesh Nebulizer <i>Henrik Schmitz, Tiana Tietz, Peter Wilhelm Augustin, Lukas Eich, Wilko Rohlf, Anja Lena Thiebes, Christian Cornelissen, Manuel Armin Reddemann</i>
15h10	<i>Discussion</i>
15h15-15h45	Coffee Break
15h45	Spray Dynamics I <i>Chair: Jan Jedelsky</i>
15h45	A similarity analysis of cryogenic spray characteristics under sub-critical pressure <i>Yuzhao Liu, Jinhong Li, Campbell Marlow-Eastwood, Cyril Crua, Yekuan Shentu, Konstantina Vogiatzaki</i>
16h05	<i>Discussion</i>
16h10	Measurement and Modelling of Equivalence Ratio Distribution in Narrow-cone-angle Hollow-cone Hydrogen Jets <i>Gyuhun Bae, Juwan Lim, Youngmin Ki, Heetae Yang, Choongsik Bae, Seoksu Moon</i>
16h30	<i>Discussion</i>
16h35	Similarity Study on Turbulence behaviour for Cryogenic Hydrogen Jets Across Thermodynamic Regimes <i>Jinhong Li, Giovanni Tretola, Yuzhao Liu, Konstantina Vogiatzaki</i>
16h55	<i>Discussion</i>
17h00	Experimental and Computational Investigation of Turbulent Mixing in Under-Expanded Hydrogen Jets for Gaseous Propulsion Applications <i>Francesco Duronio, Alessandro Montanaro, Andrea Di Mascio, Angelo De Vita</i>
17h20	<i>Discussion</i>



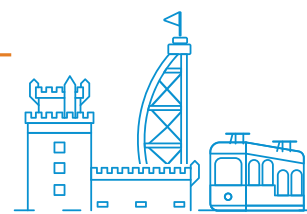
Monday, 7th September 2026

NOVA DELI ROOM

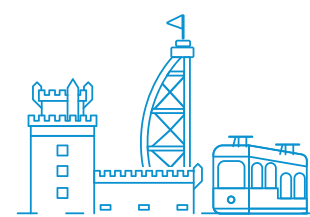
9h50	Artificial learning methods for sprays <i>Chair: Stephane Zaleski</i>
9h50	Aerosol Prediction in Superheated and Flash-Boiling Sprays: Limits and Transferability of Machine-Learning Models <i>Aymane Saissi, Edmund Reardon, Hugh Hunt, Shaun Fitzgerald</i>
10h10	<i>Discussion</i>
10h15	Fourier positional encoding for high-fidelity Mie scattering neural surrogates <i>James Lok, Kemal Bayik, Jiajun Mei, Rodrigo Aviles-Espinosa, Phil Birch, Cyril Crua</i>
10h35	<i>Discussion</i>
10h40	Coffee Break
11h10	Numerical Methods for Sprays I <i>Chair: Michele Battistoni</i>
11h10	LES investigation of the VOF-LPT coupling method for Dual Gas-Assisted Sheet Atomizers <i>Julia Roeb, Oliver T. Stein</i>
11h30	<i>Discussion</i>
11h35	Holistic Simulation of Laser-Induced Ignition under Flashing Conditions of an Experimental Rocket Combustion Chamber <i>Christian Sessler, Jan Wilhelm Gärtner, Andreas Kronenburg, Alexander Bee, Justin Hardi, Michael Börner</i>
11h55	<i>Discussion</i>
12h00	Large Eddy Simulation of Thixotropic Jets: A priori Analysis of Novel Subgrid-Scale Terms <i>Marianne Abdelsayed, Markus Klein</i>
12h20	<i>Discussion</i>
12h25-14h00	Lunch
14h00	Numerical Methods for Sprays II <i>Chair: Udo Fritsching</i>
14h00	Validation of the Primary-Secondary Breakup Transition in Close-Coupled Gas Atomization of Molten Metals <i>Stefan van Laarhoven, Niels Deen, Joris Remmer, Lydia Achelis, Udo Fritsching, Anne Geppert, Giulia Finotello</i>
14h20	<i>Discussion</i>
14h25	Coupled VOF-LPT Approach to Investigate the Effects of Flow and Nozzle Parameters on Spray Characteristics <i>Marco Piras, Giancarlo Sorrentino, Raffaele Ragucci</i>
14h45	<i>Discussion</i>
14h50	CFD simulation of automotive multi-hole injector ammonia flow <i>Charalambos Chasos</i>
15h10	<i>Discussion</i>
15h15-15h45	Coffee Break
15h45	Numerical Methods for Sprays III <i>Chair: Anne Geppert</i>
15h45	Spray Cooling with Relative Nozzle-Substrate Motion: A Physics-Based Framework for Transient and Intermittent Heat Transfer <i>Nilojendu Banerjee, Marco Marengo, Cameron Tropea</i>
16h05	<i>Discussion</i>
16h10	Numerical simulation of dynamic spray painting on plastic substrate with electrostatically supported high-speed rotary bell <i>Qiaoyan Ye, Sebastian Popp, Hendrik Dubbe, Oliver Tiedje</i>
16h30	<i>Discussion</i>
16h35	Numerical Study of Gas Injection Rate Effects on Viscous Fuel Atomization Using the Volume-of-Fluid Method <i>Ali Marzooq, Po-Han Chen, Hong Im</i>
16h55	<i>Discussion</i>

DILI ROOM

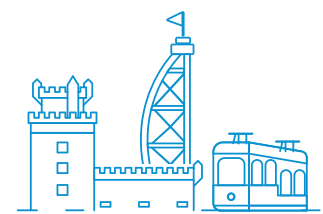
11h10	Annual Committee Meeting of ILASS-Europe (ACM)
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9h00	Keynote Lecture <i>Chair: André Silva</i> Advances in Multiphase CFD for Cavitation, Flash-Boiling, and Atomization Processes <i>Michele Battistoni</i>
9h50	Industrial Applications <i>Chair: Jerome Bellettre</i>
9h50	Revealing Dispersion Dynamics to Advance CBRN Defense <i>Arjan van Wuijckhuijse</i>
10h10	<i>Discussion</i>
10h15	Reduced Order Assessment of Rain Droplet Impact, Wet Film Attenuation and Tip Speed Derating for Wind Turbine Leading Edge Erosion <i>Sven Jerzembeck</i>
10h35	<i>Discussion</i>
10h40	Coffee Break
11h10	Atomization Fundamentals III <i>Chair: François-Xavier Demoulin</i>
11h10	An Experimental Study on the Impact of Liquid Film Thickness on the Spray Characteristics with Various Nozzle Axial Positions in a Hybrid Airblast Atomizer <i>Won Choi, Yechan Seo, Sigyu Kim, Jeekeun Lee</i>
11h30	<i>Discussion</i>
11h35	Experimental and Numerical Investigation of Primary Atomisation Mechanisms in Effervescent Nozzles <i>Pavel Novosad, Cesar Pairetti, Milan Maly, Jiri Hajek, Jan Jedelsky, Stephane Zaleski</i>
11h55	<i>Discussion</i>
12h00	A Comprehensive Study of the Governing Factors and Mechanisms in Continuous Flow in Ultrasonic Atomization <i>Wen Jin, Joris J. C. Remmers, Niels G. Deen, Giulia Finotello</i>
12h20	<i>Discussion</i>
12h25-14h00	Lunch
14h00	Droplet-Wall Interaction II <i>Chair: Guillaume Castanet</i>
14h00	The development of a continuum-level volume-of-fluid approach to model frost deposition on a cryogenic temperature flat plate <i>Hilary Lunn, Konstantina Vogiatzaki</i>
14h20	<i>Discussion</i>
14h25	Droplet impact and evaporation on thin, porous coatings: delayed imbibition and enhanced heat transfer <i>Thomas Potaufoux, Ophélie Caballina, Josh Palumbo, Mohammad Hosseinzadeh, Sanjeev Chandra, Guillaume Castanet</i>
14h45	<i>Discussion</i>
14h50	Droplets bouncing on liquid surfaces: effect of surface tension <i>Yotam Stern, Ivgeni Frog, Victor Multanen, Mor Hananovitz, Appu Vinod, Rafael Tadmor</i>
15h10	<i>Discussion</i>
15h15-15h45	Coffee Break
15h45	Industry Session <i>Chair: Rudi Schick</i>



9h50	Atomization: Applications II <i>Chair: Michael Beeston</i>
9h50	Atomization Characteristics of a Convergent-Orifice Fan Nozzle in a Crossflow <i>Hang Wang, Yuying Liu, Guanghai Liu, Quan Zhang, Jiaxiang Lu, Hangyu Dong</i>
10h10	<i>Discussion</i>
10h15	Coupling Mechanism of Penetration and Atomization of an External-Mixing Nozzle for Airblast Jet in Crossflow <i>Quan Zhang, Yuying Liu, Guanghai Liu</i>
10h35	<i>Discussion</i>
10h40-11h10	Coffee Break
11h10	Numerical methods for jets <i>Chair: Konstantina Vogiatzaki</i>
11h10	High-fidelity multi-scale simulations of liquid jet-in-crossflow in realistic test-rig geometry using adaptive tetrahedral grids <i>Oanig Jegou, Melody Cailler, Julien Leparoux, Renaud Mercier, Vincent Moureau, Romain Janodet, Damien Noel</i>
11h30	<i>Discussion</i>
11h35	Numerical characterization of a confined evaporating liquid jet in crossflow <i>Maxence Sior, Davide Zuzio, Jean-Mathieu Senoner, Virginel Bodoc, Olivier Rouzaud, Lilou Richard, Jean-Luc Estivalezes</i>
11h55	<i>Discussion</i>
12h00	A Mixture Density Network Model for Droplet Velocity Statistics in Jet-in-Crossflow Atomisation <i>Giovanni Tretola, Konstantina Vogiatzaki</i>
12h20	<i>Discussion</i>
12h25-14h00	Lunch
14h00	Experimental Methods for Droplets & Sprays III <i>Chair: Ophélie Caballina</i>
14h00	Advanced Differential Infrared Thermography for Transcritical Spray Analysis Using a Reconstruction Algorithm <i>Min Son, Lars Zigan, Tobias Sander</i>
14h20	<i>Discussion</i>
14h25	Thermometry in Transcritical Model Fuels Using Two-Color Laser-Induced Fluorescence <i>Anton Schaumäker, Lars Zigan</i>
14h45	<i>Discussion</i>
14h50	Error Investigation of a Monte-Carlo Simulation based Scattering Correction for Diffuse Back Illumination Extinction Imaging (DBI-EI) <i>Florian Kohlmann, Bastian Lehnert, Edouard Berrocal, Michael Wensing</i>
15h10	<i>Discussion</i>
15h15-15h45	Coffee Break



Tuesday, 8th September 2026

NOVA DELI ROOM

9h50 Spray Dynamics II

Chair: Lydia Achelis

9h50 Impinging jets interaction at the collision point under moderate flash-boiling conditions

Łukasz Jan Kapusta, Hernan Amaya, Bartosz Kaźmierski

10h10 Discussion

10h15 Impact of Nozzle Material and Surface Morphology on the Flash-Boiling Atomization of Liquid Ammonia

Peter Augustin, Ekenechukwu C. Okafor, Henry Axt, Martin Kratz, Christian Hinke, Fabian Fröde, Hongsuk Choi, Heinz Pitsch, Henrik Schmitz, Lukas Eich, Wilko Rohlf, Manuel Reddemann

10h35 Discussion

10h40-11h10 Coffee Break

11h10 Spray Dynamics III

Chair: Marco Piras

11h10 Experimental Study of High-Pressure Hydrogen Direct-Injection Jets in Engine-Like Conditions

Alessandro Montanaro, Daniele Piazzullo, Giovanni Meccariello, Luigi Allocca

11h30 Discussion

11h35 Experimental Spray Analysis for Multi-Hole Atomizers relevant for Large Two-Stroke Marine Engines Combustion Systems

Gabriel González Saiz, Martin Bohnenblust, Pascal Süess, Silas Wüthrich, Beat von Rotz

11h55 Discussion

12h00 Experimental Investigation of Transient Spray Penetration Characteristics of OME₂-Diesel 1 Blends Under Different Injection Pressures in a Constant-Volume Chamber

Ahmed Qadri, Sai Krishna Vankeswaram, Dardan Rrustemi, Thanos Megaritis, Lionel Ganippa

12h20 Discussion

12h25-14h00 Lunch

14h00 Interfacial and Multiphase Physics II

Chair: Tali Bar-Kohany

14h00 A Novel Non-Intrusive Method for Detecting CHF during Rapid Transients: Application to Spray and Immersion Cooling

Tali Bar-Kohany, Doron Biton, Alex Koyfman, Matan Vaknin, Gennady Ziskind

14h20 Discussion

14h25 A Theoretical and Numerical Framework to Predict the Onset of Nucleate Boiling during Rapid Depressurization

Omry Magen, Tali Bar-Kohany, Nilojendu Banerjee, Marco Marengo, Yoram Kozak

14h45 Discussion

14h50 Sub-model and fluids sensitivity of two-fluid boiling predictions

Giovanni Tretola, Konstantina Vogiatzaki

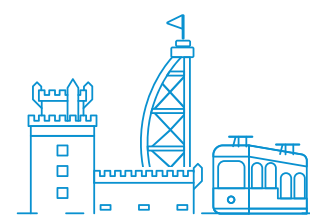
15h10 Discussion

15h15-15h45 Coffee Break

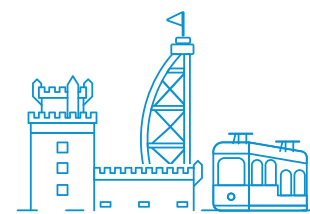
DILI ROOM

15h15 Editorial-Board Meeting of Atomization and Sprays

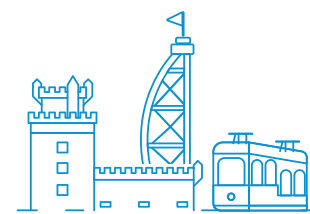
20h00-24h00 Conference Dinner GARE Restaurant



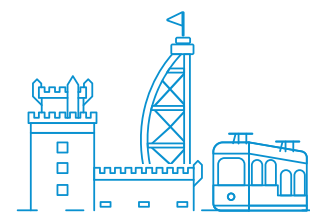
9h00	Keynote Lecture <i>Chair: Miguel Panão</i> When droplet and sprays meet extreme conditions: from atomization to nuclear safety <i>Michel Gradeck</i>
9h50	Droplet Dynamics I <i>Chair: Marco Marengo</i>
9h50	Event Sequencing in Drop–Pool Impacts at Comparable Reynolds Numbers <i>Doron Rina Elbaz, Etan Fisher, Dima Bykhovsky, Merav Arogeti</i>
10h10	<i>Discussion</i>
10h15	Surface Curvature Analysis of Atomizing Sprays using a Hybrid Level-set/Lagrangian Method on Unstructured Meshes <i>Elisa Bourrel, Léa Voivenel, Julien Carmona, Nicolas Gasnier, Thomas Laroche, Vincent Moureau, François Xavier Demoulin</i>
10h35	<i>Discussion</i>
10h40-11h10	Coffee Break
11h10	Droplet Dynamics II <i>Chair: André Silva</i>
11h10	Size-Dependent Particle Manipulation under Multi-Wave Forcing: An Experimental and Numerical Study <i>Kobi Kutsher, Nitsa Haikin, D. Katoshevski</i>
11h30	<i>Discussion</i>
11h35	Reactive Phase Change of a Single Droplet in Turbulent Flow with Reactive Vapor–Liquid Equilibrium Using a Two-Scalar Diffusive-Interface Method <i>Sajad Jafari, Silvia Lasala, Ran Yao, Christophe Duwig</i>
11h55	<i>Discussion</i>
12h00	Numerical Modeling of Droplet Adhesion and Motion in PEMFC Flow Channels <i>Christian Antetomaso, Simona Silvia Merola, Adrian Irimescu</i>
12h20	<i>Discussion</i>
12h25-14h00	Lunch
14h00	Spray Dynamics IV <i>Chair: Giulia Finotello</i>
14h00	Formation of streaks in Pressure Swirl Atomizers with Helical Inlets <i>Ozan Ekin Nural, Özgür Ertunç</i>
14h20	<i>Discussion</i>
14h25	Spray characteristics of an electrostatic assisted bi-fluid nozzle <i>Akaber Dokmak, Ronan Bernard, Audrey Maudhuit, Rudi J. Schick</i>
14h45	<i>Discussion</i>
14h50	Experimental Investigation of Electrostatic Pressure Swirl Atomizer Performance Compared to Conventional Pressure Swirl Atomizer <i>Baraya E.A., Ibrahim I.A., Gad H.M.</i>
15h10	<i>Discussion</i>
15h15-15h45	Coffee Break
15h45	Spray Dynamics V <i>Chair: Miguel Panão</i>
15h45	Spray and Evaporation Characteristics of Gasoline-Methanol Blends from a Multi-hole GDI Injector under Engine-like Conditions <i>Dongwoo Ryu, Gyuhan Bae, Seoksu Moon</i>
16h05	<i>Discussion</i>
16h10	Spray Structure and Atomisation Mechanisms of Flash-Boiling Methanol under Reduced Ambient Pressure and Split Injection <i>Vikas Sharma, Guillaume de Sercey, Angad Panesar Steven Begg</i>
16h30	<i>Discussion</i>



9h50	Interfacial and Multiphase Physics III <i>Chair: Günter Brenn</i>
9h50	Off-centre Drop-Particle Collisions: Drop Extension and full Deposition Limit <i>Felix Scope, Ignacio Roa, Teresa Reisner, Carole Planchette</i>
10h10	<i>Discussion</i>
10h15	Millimetric drop impacts onto printed meso-structured surfaces <i>Veronika Ausfelder, Mario Nabernik, Ignacio Roa, Carole Planchette</i>
10h35	<i>Discussion</i>
10h40-11h10	Coffee Break
11h10	Experimental Methods for Droplets & Sprays IV <i>Chair: Cyril Crua</i>
11h10	Influence of Dual PDA Acquisition Parameters on Measurement Results in a Water Spray <i>Lucio Araneo, Manuel Zimmermann, Richard Haidl, Bernhard Weigand</i>
11h30	<i>Discussion</i>
11h35	Recent Advances In Phase-Doppler Interferometry For Efficient Spray Characterization <i>Mason D. Leandro, William D. Bachalo, Khalid M. Ibrahim, Gregory A. Payne, Patrick Y. Chuang</i>
11h55	<i>Discussion</i>
12h00	Aerosol Characterization of Small Volume Atomization Using Phase Doppler Anemometry <i>Simon Ferson, Eleonora Ferraris, Maria Rosaria Vetrano</i>
12h20	<i>Discussion</i>
12h25-14h00	Lunch
14h00	Atomization Fundamentals IV <i>Chair: Yuying Liu</i>
14h00	Review on SCA (Surface Curvature Analysis) an approach to characterize atomization between injection point the final spray <i>François-Xavier Demoulin, Anbarasan Sekar, Benjamin Duret, Julien Réveillon</i>
14h20	<i>Discussion</i>
14h25	Influence of Gas-Liquid Impingement Angle on Internal and External Flow Characteristics in an Internal-Mixing Twin-Fluid Atomizer <i>Saran S. Dharan, Martin Raju, Vinil Kumar R.R., S.L.N. Desikan, Aravind Vaidyanathan</i>
14h45	<i>Discussion</i>
14h50	Fractal Dimension Analysis of a 2D Liquid-Jet Interface in DNS <i>Guangnian Ji, Yash Kulkarni, Stéphane Zaleski</i>
15h10	<i>Discussion</i>
15h15-15h45	Coffee Break
15h45	Interfacial and Multiphase Physics IV <i>Chair: Ana Moita</i>
15h45	Quantitative Visualization of Forced Vapor Advection using an Accessible BOS Approach <i>Ben Ben David Holtzer, Leonid Tartakovsky</i>
16h05	<i>Discussion</i>
16h10	Experimental Investigation of Spray Atomization and Droplet Dynamics of Hydrotreated Vegetable Oil and Jet A-1 Using an Air-Assisted Atomizer <i>Pasquale di Gloria, Inês Alexandra Ferrão, Guido Marseglia, Ana Sofia Moita, Maria Grazia De Giorgi</i>
16h30	<i>Discussion</i>



9h50	Numerical Methods for Droplets <i>Chair: Ana Moita</i>
9h50	A Sharp-Interface Numerical Framework for Simulating Droplet Impact and Coalescence Phenomena <i>Omry Magen, Oren Peles, Yoram Kozak</i>
<i>10h10</i>	<i>Discussion</i>
10h15	Numerical Investigation of Droplet Impact on Spherical Particles <i>Mohd Saif Usmani, Shamit Bakshi, Marco Marengo</i>
<i>10h35</i>	<i>Discussion</i>
10h40-11h10	Coffee Break
11h10	Droplet-Wall Interaction III <i>Chair: Antonio Lozano</i>
11h10	Stability Behavior of Faraday Waves for Ultrasonic Atomization <i>Kristen Morse, Fabian Fröde, Wilko Rohlf, Heinz Pitsch, Günter Brenn</i>
<i>11h30</i>	<i>Discussion</i>
11h35	Analysing spray-wall interaction via near-wall PDA measurements <i>Jiri Hajek, Pavel Novosad, Ondrej Cejpek, Milan Maly, Jan Jedelsky</i>
<i>11h55</i>	<i>Discussion</i>
12h00	1D Modelling of Sprays and Soot Reduction for Mixing-Controlled-Compression-Ignition Engines with Ducted Fuel Injection <i>Russell P. Fitzgerald, Yongli Qi, Kenth I. Svensson, Jose Maria Garcia-Oliver, Jose Manuel Pastor</i>
<i>12h20</i>	<i>Discussion</i>
12h25-14h00	Lunch
14h00	Atomization: Applications III <i>Chair: Giancarlo Sorrentino</i>
14h00	Spray characteristics of a liquid jet in crossflow: Insights for a gas turbine and high-speed air-breathing engines <i>Ramana Kukkarasi, Sivakumar Deivandren, Raghuraman N Govardhan</i>
<i>14h20</i>	<i>Discussion</i>
14h25	Assessment of Batch Ultrasonic Atomisation for Submicron Seawater Aerosol Generation in Marine Cloud Brightening <i>Mohammadreza Sedighi, Stuart MacLennan, Luke P. Harrison, Ceylena Holloway, Daniel P. Harrison</i>
<i>14h45</i>	<i>Discussion</i>
15h15-15h45	Coffee Break
15h45	Numerical Methods for Sprays IV <i>Chair: Lukasz Jan Kapusta</i>
15h45	Drag and Shape Oscillations in Post-Coalescence Droplet Dynamics <i>Roi Bar-On, J. Barry Greenberg, Matthias Ibach, Alumah Arad, Manish Kumar, Visakh Vaikuntanathan, David Katoshevski, Bernhard Weigand</i>
<i>16h05</i>	<i>Discussion</i>
16h10	Role of Surface Energy Flux in the Formation of Circular Hydraulic Jumps <i>Hossein Askarizadeh, Mohammad Ghanem, Qiya Shu, Wilko Rohlf</i>
<i>16h30</i>	<i>Discussion</i>
16h35	The Role of Droplet Vaporization in the Response of a Laminar Spray Flame to Acoustic Forcing <i>Nino A. Leder, Harish S. Gopalakrishnan, Mirko R. Bothien</i>
<i>16h55</i>	<i>Discussion</i>



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