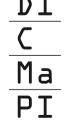


PROGRAM AND GENERAL INFORMATION







Dipartimento di Ingegneria Chimica, dei Materiali e della Produzione Industriale Università degli Studi di Napoli Federico II

	MONDAY - SEPTE	MBER 4			
12:00 - 14:00	REGIST	REGISTRATION			
14:00 - 14:20	OPE	NING			
14:20 - 15:20	KEYNOTE SPEECH "Wettability, Liquid Friction and Surfaces Slippery to Liquids" Glen Mc Hale - University of Edinburgh chair: Günter Brenn				
	Fundamental Science in Atomization & Sprays / 1 chair: Qiaoyan Ye Aula A "Massimilla"	Liquid drops and Interfaces / 1 chair: Marco Marengo Aula B "Bobbio"			
15:20 - 15:40	FSAS 1.1 "Overview of the development and advances in liquid atomization by flash boiling" by: Tali Bar-Kohany, Avihai Malka, Eran Sher	LDI 1.1 "Studying droplets in microgravity" by: R. Calabria, F. Catapano, G. Meccariello, T. Naudin, B. Sgammato, G. Barese, L. Cercone, A. Di Meo, C. Tornatore, J. Bellettre, P. Capaldi, D. Tarlet, P. Massoli			
15:40 - 16:00	FSAS 1.2 "Analysis of Axisymmetric Radially Expanding Free Liquid Films by Means of Lubrication Theory" by: Alexander Gyurkovich, Carsten Mehring	LDI 1.2 "Experimental investigation of the height and angle of an uprising sheet occurring in near-simultaneous double droplet impacts onto smooth surfaces of varying wettability "by: Patrick Palmetshofer, Johanna Heckel, Anne Geppert, Bernhard Weigand			
16:00 - 16:20	FSAS 1.3 "A Maximum Entropy Principle model for the initialization of Eulerian-Lagrangian sprays" by: Raul Payri, Gabriela Bracho, Pedro Martí-Aldaraví, Javier Marco-Gimeno	LDI 1.3 "Experimental Investigation of an Oblique Droplet Impact onto a Quiescent Wall Film with Two-Perspective High-Speed Imaging" by: Jonathan Lukas Stober, Maurizio Santini, Anne Geppert, Kathrin Schulte			
16:20 - 16:40	COFFEE	BREAK			

	MONDAY - SEPTEMBER 4				
	Funda	mental Science in Atomization & Sprays / 2 chair: Cyril Crua Aula A "Massimilla"		Liquid drops and Interfaces / 2 chair: Guillaume Castanet Aula B "Bobbio"	
16:40 - 17:00	FSAS 2.4	"Experimental study of liquid injection under supercritical conditions" by: T. Chazelle, F. Lespinasse, S. Idlahcen, JB. Blaisot, B. Barviau, G. Ribert	LDI 2.4	"Towards spatial and time-resolved film thickness measurements during droplet impact on thin liquid films" by: A. K. Geppert, G. Lamanna	
17:00 - 17:20	FSAS 2.5	"Application of Machine Learning Techniques to Model the Temporal Evolution of Ethanol Sprays" by: Thangaraja Jeyaseelan, Min Son, Tobias Sander, Lars Zigan	LDI 2.5	"Influence of bubble growth and liquid film instabilities on droplet impact phenomena under saturated boiling regimes" by: Daniel Vasconcelos, André Silva, Jorge Barata	
17:20 - 17:40	FSAS 2.6	"Mechanistic Model on Droplet Diameter of Air- Blasted Liquid Film" by: Ippei Oshima, Akira Sou	LDI 2.6	"Thermophysical Characterization of a Sessile Evaporating Droplet" by: Sidharth P. Raut, Michael J. Gibbons, Seamus M. O'Shaughnessy, Anthony J. Robinson, Sajad Alimohammadi	
17:40 - 18:00	FSAS 2.7	"Experimental Investigating on Flame Mitigation in a Partially Unconfined Explosion with the Effect of Fine Water Spray in Different Orientations" by: Amir Nourian, Stephen. A. Johnson, Ghasem G Nasr	LDI 2.7	"Modelling the evaporation of sessile and pendant drops deformed by the effect of gravity" by: S.Tonini, G.E. Cossali	
18:00 - 18:20	FSAS 2.8	"Atomization in Forensic Applications and Aerosolization in Dentistry" by: Alexander L. Yarin			

		TUESDAY - SEPTI	EMBE	R 5
09:00 - 10:00		KEYNOTE SPEECH "The nucleation process and its coupling to the macroscale" Carlo Massimo Casciola - La Sapienza University of Rome chair: Marco Marengo		
		Fuel sprays & Combustion / 1 chair: Tali Bar-Kohany Aula A "Massimilla"	I	Biomedical, biological and bio-mimetic chair: Lucio Araneo Aula B "Bobbio"
10:00 - 10:20	FSC 1.1	"Adiabatic and isochoric mixture temperatures vs. experimentally measured temperatures during the transcritical injection of ethanol into a nitrogen atmosphere at diesel engine relevant conditions" by: Max Conrad, Grazia Lamanna, José Sierra-Pallares, Andreas S. Braeuer	BIO 1.1	"Experimental and numerical investigation of the aerosol generation mechanisms at the human vocal folds" by: Lisa Fritzsche, Martin Heinrich, Kartik Gupta, Rüdiger Schwarze, Katrin Bauer
10:20 - 10:40	FSC 1.2	"Spray dynamics of conventional and alternative jet fuel " by: Inês A. S. Ferrão, Miguel A. A. Mendes, Ana S. O. H. Moita, André R. R. Silva	BIO 1.2	"Characterization of nasal inhalers" by: Antonio Lozano, Félix Barreras, Ana González-Espinosa
10:40 - 11:00	FSC 1.3	"CFD Analysis of Spray Formation Process with Multi-hole Nozzle for Port Fuel Injection SI Engine" by: Kanako Nishimura, Dai Matsuda, Eriko Matsumura, Jiro Senda	BIO 1.3	"Experimental Assessment of Breakup Regimes of a PVP-VA Solution Using a Two-fluid Swirl Injector" by: Cooper Welch, Mobaris Khawar, Benjamin Böhm, Andreas Gryczke, Florian Ries
11:00 - 11:20		COFFEE	BREA	K

		Numerical methods and solutions / 1 chair: Stephane Zaleski Aula A "Massimilla"		Diagnostic techniques / 1 chair: Raffaele Ragucci Aula B "Bobbio"
11:20 - 11:40	NMS 1.1	"Nonlinear Droplet Dynamics Within Burgers Vortices Induced by Transport Phenomena" by: Orr Avni, Yuval Dagan	DT 1.1	"Simultaneous Measure of Thickness and Temperature of an Infrared Semi-Transparent Layer" by: Lucio Araneo, Riccardo Clavenna
11:40 - 12:00	NMS 1.2	"Studying the internal flow and sspray behavior in a simplex pressure-swirl atomizer through a single VOF-LES" by: R. Payri, P. Martí-Aldaraví, M. Carreres, A. Muñoz-Agulló	DT 1.2	"Planar 2 Colors-LIF technique applied to temperature measurements within hydrocarbon droplets" by: Thomas Naudin, Dominique Tarlet, Raffaela Calabria, Patrizio Massoli, Jérôme Belletre
12:00 - 12:20	NMS 1.3	"Lagrangian simulations of a liquid jet in crossflow coupled with initial spray conditions from Direct Numerical Simulations" by: Corine Kieffer-Roth, Georg Eckel, Patrick Le Clercq	DT 1.3	"Two-photon thermometry fluorescence imaging" by: Mehdi Stiti, Vassily Kornienko, Elias Kristensson, Guillaume Castanet, Edouard Berrocal
12:20 - 12:40	NMS 1.4	"The Generalised Fully Lagrangian Approach for Polydisperse Sprays. Implementation of a two-way coupling model in OpenFOAM" by: Chris Stafford, Oyuna Rybdylova	DT 1.4	"Non-Destructive Quantification of Fuel Injector Deposits using X-ray Micro-Tomography " by: Chi Young Moon, Yi Xu, Brandon A. Sforzo, Alan L. Kastengren, Christopher F. Powell
12:40 - 13:00	NMS 1.5	"Collapse of Cavitation Bubble Clusters of Fuels Utilised with Modern Combustion Systems" by: R. Bellini, C. Rodriguez, I. K. Karathanassis, M. Gavaises	DT 1.5	"3D tomographic reconstruction of Spray G after multiple light scattering suppression using Fourier filtering" by: Bastian Lehnert, Mehdi Stiti, Michael Wensing, Edouard Berrocal
13:00 - 14:00	LUNCH BREAK			
13.00 - 14.00	(A&S board meeting)		ng)	

	Fundamental Science in Atomization & Sprays / 3 chair: Alexander Yarin Aula A "Massimilla"	Liquid drops and Interfaces / 3 chair: Martin Sommerfeld Aula B "Bobbio"
14:00 - 14:20	FSAS 3.9 "On the role of transcritical evaporation in controlling the transition from two-phase to single-phase mixing " by: Grazia Lamanna, Christoph Steinhausen, Bernhard Weigand	LDI 3.8 "An Experimental Investigation of the Subsequent Outcomes after a Drop Impacts a Small Target" by: Merav Arogeti, Eran Sher, Tali Bar-Kohany
14:20 - 14:40	FSAS 3.10 "Spray-wall Interactions: a Study of Impinging Sprays on Transient Thermal Loading and Fuel Film Deposition " by: Meghnaa Dhanji, Zach Buen, Logan White, Lyle Pickett, Julien Manin	LDI 3.9 "Drop on a Polygon Cross-section Pillar" by: Merav Arogeti, Maria Tadmor
14:40 - 15:00	FSAS 3.11 "Evaporative spray simulation using an Euler- Lagrange conversion framework" by: Diego Nei Venturi, João Marcelo Vedovotto, Millena Martins Villar Vale, Abgail Paula Pinheiro, Franco Barbi, Ricardo Serfaty, Aristeu da Silveira Neto	LDI 3.10 "Binary Droplet Collisions of Supercooled Water Droplets" by: Verena Kunberger, Bernhard Weigand
15:00 - 15:20	FSAS 3.12 "The effect of Brownian motion on particle scavenging by spray droplets" by: Nan Wang, David Katoshevski, Yuval Dagan	LDI 3.11 "Heat transfer during droplet impact onto a heated surface: a new 3D approach for the inversion heat conduction problem for the nucleate-transition boiling regimes" by: Ophélie Caballina, Thomas Potaufeux, Alexis Carlos García Wong, Thierry Czerwiec, Guillaume Castanet
15:20 - 15:40	FSAS 3.13 "Experimental and Numerical Investigation of Cyclopentane Sprays in Transcritical Environment" by: Min Son, Tobias Sander, Michael Pfitzner, Lars Zigan, Alexander Doehring, Markus Klein	LDI 3.12 "Investigating the droplet evaporation in a forced convective environment" by: Faraz Salimnezhad, Hasret Turkeri, Iskender Gökalp, Metin Muradoglu
15:40 - 16:00	COFFEE	BREAK

		Numerical methods and solutions / 2 chair: Raul Payri Aula A "Massimilla"		Liquid drops and Interfaces / 4 chair: Bernhard Weigand Aula B "Bobbio"
16:00 - 16:20	NMS 2.6	"Numerical Study of Oscillating Droplets and their Relevance to Grouping in Streams" by: Matthias Ibach, Visakh Vaikuntanathan, Alumah Arad, David Katoshevski, J. Barry Greenberg, Bernhard Weigand	LDI 4.13	"Experimental investigation of the effect of varying boundary conditions and the injection pressure on global characteristics of ammonia spray" by: Santiago Cardona, Thibault F. Guiberti, William L. Roberts
16:20 - 16:40	NMS 2.7	"Investigations of Droplet Trajectories in a Swirling Channel Flow by using Numerical Multiphase Flow Simulation" by: Marwan Khaled, Anne Gwinner, Marius Forster, Alexander Woitalka, Simon Schuldt, Bernhard Weigand	LDI 4.14	"Axisymmetric stationary toroidal droplets in viscous flow" by: A . Nir, O.M. Lavrenteva, S. Malik and M. Idan
16:40 - 17:00	NMS 2.8	"Simulation of Sub-Micrometer Droplet Evaporation with a Particle-Based Spherically- Symmetric Enskog-Vlasov Solver" by: R. Tietz, S. Fasoulas, M. Pfeiffer	LDI 4.15	"Dynamics and Freezing of Water Droplets Impacting on Cold Textured Surfaces" by: Yuheng Shang, Navid Mostofi Sarkari, Yunus Tansu Aksoy, Sylvie Castagne, David Seveno, Maria Rosaria Vetrano
17:00 - 17:20	NMS 2.9	"Development of a multi-species real fluid modeling approach using a machine learning method" by: B. Delhom, T. Faney, P. Mcginn, C. Habchi, J. Bohbot	LDI 4.16	"Nonlinear shape oscillations of viscoelastic drops" by: D. Zrnić, G. Brenn
17:20 - 17:40	NMS 2.10	"Investigation on charging and breakup of paint liquids using high-speed rotary bell with internal charging " by: Q. Ye, B. Shen, O. Tiedje, P. Knee, J. Domnick	LDI 4.17	"Non-Equilibrium Particle Schemes to Simulate Liquid-Vapor Interfaces" by: C. Marianowski, S. Fasoulas, M. Pfeiffer
17:40 - 18:00	NMS 2.11	"Numerical investigation of Non-Newtonian droplet-droplet collisions using VOF and LFRM." by: C. García Llamas, M.P. Durubal, A.H. Huijgen, J.A.M. Kuipers, K.A. Buist, M.W. Baltussen	LDI 4.18	"Numerical Investigations of Droplet Deformation and Breakup at Elevated Pressures" by: Mehmet Karaca, Mehmet Ali Ak, Christophe Allouis, Iskender Gökalp

WEDNESDAY - SEPTEMBER 6

		KEYNOTE	SPEEC	H
	"	Alternative fuel atomization assisted	by wate	er drops sudden vaporization.
09:00 - 10:00		Application to pollutant emissio	ns reduc	ction in energy systems"
		Jérôme Bellettre - Polytech Nante	es (LTeN	CNRS-Nantes University)
		chair: Udo	Fritschi	ing
		Fuel sprays & Combustion / 2 chair: Patrizio Massoli Aula A "Massimilla"		Liquid drops and Interfaces / 5 chair: Carole Planchette Aula B "Bobbio"
10:00 - 10:20	FSC 2.4	"Experimental investigation of near-nozzle hydrogen jet characteristics of a single-hole GDI injector" by: Hao Wu, Moez Ben Houidi, Bin Wu, Jianguo Du, Bassam Aljohani, William L. Roberts	LDI 5.19	"Temperature-Dependent Viscosity Effect on Droplet-Droplet Collisional Interactions" by: Penbe Merve Durubal, Arvin Tavanaei, Arie Huijgen, Kay Buist, Hans Kuipers, Maike Baltussen
10:20 - 10:40	FSC 2.5	"Effects of Jet Velocity and Impingement Angle on Spray Characteristics of Like-Doublet Injectors " by: Tolga Yıldız, Senem Gülmez, Aykut Sever, İskender Gökalp	LDI 5.20	"A Three-Phase Dodecane Droplet in Undersurface Silica-Confined Nano-Pore" by: C. Chen, J. Xia, Q. Martinez, X. Jiang, H. Bahai
10:40 - 11:00	FSC 2.6	"Benefit of coupled injector flow simulation for GDI at motored and fired conditions " by: Anil Wakale, Patrick Sharkey, Wolfgang Bauer, Junmei Shi	LDI 5.21	"Particle-laden droplets impinging a wall at low particle concentrations" by: R. Tribess, K. Nabbout, M. Sommerfeld
11:00 - 11:20		COFFEE BREAK		

		Fuel sprays & Combustion / 3 chair: Rousselle Christine Aula A "Massimilla"		Diagnostic techniques / 2 chair: Edouard Berrocal Aula B "Bobbio"
11:20 - 11:40	FSC 3.7	"Effect of fuel types and injection conditions on spray formation and gas entrainment processes in diesel engine" by: Olawole Kuti, Keiya Nishida	DT 2.6	"Ultra-high-speed nozzle internal investigation of cavitation phenomena" by: Mathias Grunewald, Peter W. Augustin, Manuel Reddemann, Reinhold Kneer
11:40 - 12:00	FSC 3.8	"Atomization Modelling of Carbon Dioxide Capture and Storage Technology for Installation in Internal Combustion Engines " by: Hiroki Onoue, Jyo Ono, Tetsuo Nohara, Masayuki Ochiai	DT 2.7	"High contrast imaging of dense-field to estimate droplet size distribution from the interface-curvature analysis: application in a pressure-swirl atomizer" by: C. S. Vegad, D. Ferrando, L. X. Huang, S. Idlahcen, F. Lefebvre, A. Vandel, C. Gobin, G. Godard, G. Cabot, B. Renou, J. B. Blaisot, B. Duret, J. Reveillon, and F. X. Demoulin
12:00 - 12:20	FSC 3.9	"Combustion and emissions characteristics of alternative diesel-fuel blends" by: I.K. Karathanassis, O. Baran, J. Manin, L. Pickett, D. Spivey, M. Gavaises	DT 2.8	"Applicability of Experimentally Derived Local Droplet Distribution to the Fully Lagrangian Approach" by: Zuhaib Nissar, Steven Begg, Guillaume de Sercey, Oyuna Rybdylova
12:20 - 12:40	FSC 3.10	"Turbulent Atomization Process of Liquid Jet under Diesel Spray Conditions" by: Dai Matsuda, Ippei Kimura, Eriko Matsumura, Jiro Senda	DT 2.9	"Imaging droplet size in a dense spray using SLIPI polarization ratio technique " by: Mehdi Stiti, Sebastien Garcia, Christine Lempereur, Pierre Doublet, Edouard Berrocal
12:40 - 13:00	FSC 3.11	"Collapsing of low-pressure sprays formed by a multi-hole injector with non-uniformly distributed holes operating at a low injection pressure" by: Łukasz Jan Kapusta	DT 2.10	"Comparative Analysis of Drop-size Measurement in Highly Dense Sprays using Shadowgraphy, PDA and SLIPI" by: V. V. Swami, M. W. Baltussen, J. Schröder, M. Arbon, K. van Dijke, J. A. M. Kuipers, K. A. Buist
13:00 - 15:40		LUNCH { POSTER (ILASS boa	& SESSIC	ON

		Numerical methods and solutions / 3 chair: Giancarlo Sorrentino Aula A "Massimilla"		Liquid drops and Interfaces / 6 chair: Grazia Lamanna Aula B "Bobbio"
15:40 - 16:00	NMS 3.12		LDI 6.22	"Experimental investigation of flash boiling phenomena of high volatility e-fuels in a droplet chain" by: Peter Wilhelm Augustin, Manuel Armin Reddemann, Avijit Saha, Heinz Pitsch, Reinhold Kneer
16:00 - 16:20	NMS 3.13	"A Numerical Study of Evaporation and Boiling for a Sustainable Aviation Fuel" by: Marco Arienti, Everett Wenzel	LDI 6.23	"Saline Droplet Evaporation on SOCAL Surfaces with Suppressed Crystallization" by: Alex Jenkins, Glen McHale, Rodrigo Ledesma-Aguilar, Daniel Orejon, Steven Armstrong, Michele Pelizzari, Hernan Barrio-Zhang, and Gary Wells
16:20 - 16:40	NMS 3.14	"Modelling Spray Deposition on Moving Tablets" by: M. Taborda, K. Nabbout, L. Pasternak, M. Sommerfeld	LDI 6.24	"Acoustic characterization of drop impact regimes on a heated surface" by: Volfango Bertola
16:40 - 17:00	NMS 3.15	"Explorative direct numerical simulations of primary breakup of generic thixotropic liquid jets " by: Gianluca Caruso, Jonas Steigerwald, Matthias Ibach, Bernhard Weigand	LDI 6.25	"A novel experimental approach to study drop- particle collisions" by: J. B. Le Gac, C. Planchette
17:00 - 17:20	NMS 3.16	"Importance of the modified viscosity modeling in a bubble column with Euler-Lagrange simulations" by: Ricardo Tadeu Oliveira Catta Preta, Millena Martins Villar Vale, Joao MarceloVedovotto, Aristeu da Silveira Neto		
17:20 - 18:30		ILASS E ANNUAL GENE		

THURSDAY - SEPTEMBER 7

	Fundamental Science in Atomization & Sprays / 4 chair: Antonio Lozano Aula A "Massimilla"	Fuel sprays & Combustion / 4 chair: Eva Gutheil Aula B "Bobbio"
09:00 - 09:20	FSAS 4.14 "Curvature-surface analysis applied to a commercial and an academic injection system" by: Longxiang Huang, Diego Ferrando, Chetankumar S. Vegad, François-Xavier Demoulin, Benjamin Duret, Julien Reveillon	FSC 4.12 "Spray Characteristics and Vaporization Process of Ammonia-Ethanol blends with a Current GDI Engine Injector" by: R. Pelé, P. Brequigny, C. Hespel, J. Bellettre, C. Mounaïm Rousselle
09:20 - 09:40	FSAS 4.15 "Spatio-temporal characterization of the spray produced by Y-jet nozzles using steam as dispersing medium" by: Matheus Rover Barbieri, Lydia Achelis, Udo Fritsching	FSC 4.13 "Liquid Ammonia injection on single hole injector: effect of initial conditions on flash boiling process" by: A. Desclaux, C. Hespel, C. Mounaïm-Rousselle
09:40 - 10:00	FSAS 4.16 "On the atomization of binary mixtures of miscible fluids at heated conditions" by: Yilong Zhang, Rongying Tian, Agisilaos Kourmatzis, Assaad R. Masri, Kozo Aoki, Kazuaki Hashiguchi	FSC 4.14 "Real-fluid simulation of ammonia cavitation in a heavy-duty fuel injector" by: Hesham Gaballa, Chaouki Habchi, Jean-Charles De Hemptinne, Gerard Mouokue
10:00 - 10:20	FSAS 4.17 "Characterization of the Droplet Formation Process of Metal Mesh Atomizers" by: Enrico M. A. Ercolin, Gerhard Schaldach, Markus Thommes	FSC 4.15 "Internal Flow Visualization and Simulation of Liquid Alternative Fuels in a Heavy-Duty-Diesel Injector Tip" by: Russell P. Fitzgerald, Zhihao Zhao, Yongli Qiù
10:20 - 10:40	COFFEE	BREAK

	Fundamental Science in Atomization & Sprays / 5 chair: Volfango Bertola Aula A "Massimilla"	Fuel sprays & Combustion / 5 chair: Habchi Chaouki Aula B "Bobbio"
10:40 - 11:00	FSAS 5.18 "Effects of superheated flash-boiling atomisation on spray carbon capture performance" by: Louis F. Dacanay, Kevin Wan, Julien Manin, Ian A. Gass, Alain Ledoux, Lionel Estel, Cyril Crua	FSC 5.16 "Application of an optimized mechanism of primary reference fuel to single hole sprays" by: Raúl Payri, José M. García-Oliver, Ricardo Novella, José M. Pastor, Dario López-Pintor, Weiwei Shang
11:00 - 11:20	FSAS 5.19 "Machine learning based spray process quantification" by: J. Basil, F. Hampp	FSC 5.17 "Effects of asymmetrical orifice inlet on steady- state diesel spray and the near-field kinematics" by: Mohammad Nikouei, David Sedarsky
11:20 - 11:40	FSAS 5.20 "Effect of Liquid Properties on the Self-Pulsation Characteristics of a Gas-Centered Swirl Coaxial Injector" by: Santanu Kumar Sahoo, Hrishikesh Gadgil	FSC 5.18 "Evaluation of the atomization during flame spray pyrolysis by temporal and local tracking of jet and ligament structures" by: Sophie M. L. Dupont, Manuel A. Reddemann, Reinhold Kneer
11:40 - 12:00	FSAS 5.21 "Parametric study of the heat and mass transfer process in ethanol spray jets" by: Luis Eduardo de Albuquerque Paixao e Freire de Carvalho, Louis Dressler, Artur Carvalho Santos, Aymeric Vie, Amsini Sadiki, Fernando Luiz Sacomano Filho	FSC 5.19 "Numerical Simulation of Precursor Solution Spray Flames in the Counterflow Configuration for Use in Flame Spray Pyrolysis " by: Zhaoping Ying, Eva Gutheil
12:00 - 13:30	AWA	EREMONY, ARDS

AND **FAREWELL BRUNCH**

PRESENTERS INSTRUCTIONS

Oral Presentations

Keynotes will be given in the "Massimilla" room (room A) at the first floor of the venue building. Scientific sessions will be held in the same room and in the adjacent "Bobbio" room (room B).

Presentation rooms are equipped with video projectors and presenters are requested to speak from the podium using the microphone. Presenters will be provided with a remote controller with integrated laser pointer.

Presentations should last no longer than 17 minutes to allow 3 minutes for questions and changeover to the next speaker. All screens are in widescreen (16:9) format. Presentations should be prepared in PowerPoint or PDF formats. Slides with movies (format .MOV or MP4) must be checked for playback on the laptop. Each speaker is requested to bring along with him the presentation on a USB pen and to upload the presentation in the room which is assigned to his presentation at least 30 minutes before the morning and afternoon sessions start.

The use of a personal Laptop is strongly discouraged unless motivated by special requirements or data privacy reasons. Please contact room technical service well in advance of your presentation for technical feasibility verification and functionality check.

Poster Session

Posters are presented in the space between lectures Rooms.

Posters are to be brought already printed (at authors expenses). Maximum allowed poster size is 1mx1.2 m in portrait orientation (A0 is the optimal size).

Posters must be affixed at the assigned positions, using the provided pins, on September 6 from 8:30 and authors are requested to be present at their poster from 13.00 to 15.40 on that day.

SOCIAL PROGRAM INFORMATION

Welcome Cocktail

A welcome cocktail will be served at the end of the scientific session on Monday 4th.

Social dinner (to be confirmed at registration desk before September 6th at noon)

The network event/dinner will start at 20:30 on Wednesday 6th in the roof restaurant of Hotel Royal Continental (Via Partenope, 38). The hotel is located in the city center on the sea front in a car-free street.

Please note that Transportation will not be provided.

Farewell Ceremony

A farewell and award ceremony will be held at the end of the scientific sessions on Thursday 7th. A brunch will be served during the ceremony.

GENERAL INFORMATION

Conference Venue

School of Engineering, University of Naples Federico II

Address: P.le V. Tecchio 80 - Napoli

Registration/Information Desk and Conference Secretariat

Location: School of Engineering 1st floor (close to Room A - Massimilla)

Office opening time:

September 4th, 2023: from 12:00 to 18:00

September 5th and 6th, 2023: from 08:30 to 18:00

September 7th 2023: from 08:30 to 13:30

Name Badge

For identification purpose and admission to the conference venue and to social events, badges must be worn at all times during the conference. QR codes aiming at conference program and proceedings are printed on the badge.

Internet Wireless

Connection is available at conference venue and the instructions to connect will be provided at the registration desk.

Meals

Lunches will be served according to the program schedule at the School of Engineering, in the "Biblioteca Gasparini" (on the 2nd Floor of the School building).

Dress Code

Smart casual is suggested for scientific sessions and for the social dinner. T-shirt and short pants are inappropriate for social dinner.

Currency Exchange

Most banks provide exchange service for foreign currency and traveler's checks. Credit cards such as Mastercard, Visa and Amex are accepted in most hotels, shopping centers and restaurants. However, they may not be accepted at small shops or restaurants. ATM service is provided at ground floor of the Engineering School.

Tips & Tax

Tipping is welcome but not mandatory for taxi and restaurants

Airport & Flight

It is advised that you leave the hotel or the conference venue 3 hours in advance for international flights, and 2 hours and a half in advance for domestic flights.

POSTER SESSION

P1	"The Coarse Droplets Formation from the Water Condensate Film in Steam Turbine" by: Ondřej Bartoš, Adam Huněk, Pavel Antoš
P2	"Selected Results of the International Research Training Group GRK 2160 on "Droplet Interaction Technologies" (DROPIT) " by: B. Weigand, A. Geppert, G. Lamanna, S. Tonini, G.E. Cossali
P3	"Air assist pressure swirl atomizer droplet size distribution" by: Baraya E.A., Ibrahim I.A., Gad H.M., Farag T.M.
P4	"Methanol spray tomography under standard and flash-boiling Spray M operating conditions of the Engine Combustion Network" by: Rafael Clemente-Mallada, Zachary Buen, Meghnaa Dhanji, Julien Manin, Lyle Pickett, Sebastian Rieß, Michael Wensing
P5	"Effect of TiO2 nanoparticles in water and their deposition on aluminum block during spray cooling heat transfer " by: Y. T. Aksoy, H. Cornelissen, P. Eneren, M. R. Vetrano
P6	"An Experimental and Numerical Investigation on Spray Characterization of Pressure-Swirl Atomizers " by: Salih Toker, Mahmut Murat Gocmen, Senem Gulmez, Burak Cenik, Baran Iper, Sitki Uslu
P7	"Flame Spray Pyrolysis Synthesis of TiO2-Carbon Nanoparticles" by: G. De Falco, M. Commodo, P. Minutolo, A. D'Anna
P8	"Visualization of transport phenomena during drug-delivery by laser-induced fluorescence within a transparent 23 generation airway model" by: Stefanie Gürzing, Manuel A. Reddemann
P9	"Experimental investigation of double self-impinging jets with high Reynolds and Weber numbers" by: Bartosz Kaźmierski, Łukasz Jan Kapusta
P10	"Assessment and validation of a phenomenological atomization model for airblast spray injection" by: Carlos Guillamón, Marcos Carreres, Carlos Moreno-Montagud, Ruud Eggels, Daniel Mira
P11	"Experimental Characterisation of Pressure Swirl and Airblast Sprays in Multiscale Turbulence" by: Yeonse Kang, Fabian Hampp
P12	"Application of Machine Learning Models for Fuel Spray Characterization of Gasoline Fuels in Compression Ignition Systems" by: Sadique Khan, Mudassir Masood, Mario Medina, Fahad Alzahrani
P13	"Puffing of a Miscible Multicomponent Droplet" by: J. Huang, J. Xi, Z.H. Wang, Y. He, K.F. Cen
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