



Monday 26 September 2016

18h00- 20h00	REGISTRATION & Welcome Cocktail Club du Vieux Port, Marseille
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Tuesday 27 September 2016

8h15 - 9h30	REGISTRATION & COFFEE
9h30 - 9h45	WELCOME SPEECH
9h45 - 11h00	AGENCY TALKS 1
11h00 - 11:30	COFFEE BREAK

Keynote Lecture 1

(Chairperson : T. Gambaryan-Roisman)

11h30-12h15	Wall-temperature distributions on thin metal foils in saturated and subcooled pool boiling Prof. Dr. Iztok Golobic University of Ljubljana, Faculty of Mechanical Engineering Laboratory for Thermal Technology, SI-1000 Ljubljana, Slovenia
12h15 – 13h30	Lunch

Keynote Lecture 2

(Chairperson : C. Colin)

13h30-14h15	Boiling bubble detachment Dr. C.W.M. van der Geld Department of chemical engineering & chemistry, 5612 AE Eindhoven, The Netherlands
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Session 1 : Flow Boiling

(Chairpersons : J. Kim, H. Asano)

14h15 – 14h30	23	Gravity Effects on Single Taylor Bubble Heat Transfer A. Scammell, J. Kim
14h30 – 14h45	74	Expanding Taylor Bubble under constant capillary wall heat flux density A. Voirand, A.M. Benselama, Y. Bertin
14h45 – 15h00	64	Experimental Study on Phenomena Leading to the DNB in Subcooled Vertical Flow Boiling O. Kawanami, M. Okubo, I. Honda, H. Ohta,
15h00 – 15h15	59	The effect of the channel height on the CHF in a shear-driven liquid film D. Zaitsev, E. Orlik, E. Bykovskaya, O. Kabov
15h15 – 15h30	17	The effect of increased gravitational acceleration on flow boiling incipience M. C. Vlachou, J. S. Lioumbas, C. David, D. Chassapis, T.D. Karapantsios
15h30 – 15h45	46	Effect of Dissolved Air on Flow Boiling Heat Transfer K. Kiyomi, S. Matsumoto, K. Sawada, T. Kurimoto, Y. Abe, A. Kaneko, T. Kanagawa, O.

		Kawanami, H. Asano, H. Ohta
15h45 – 16h00	53	Recent Progress in the Acquisition of Experimental Data for Boiling Systems Using Immiscible Mixtures H. Ohta, S. Okayama, D. Yamamoto, D. Fujii, Y. Shinmoto
16h00 – 16h15	9	Axial Sloshing of Liquid Hydrogen in Cylindrical Containers with Superheated Walls in Weightlessness M. Dreyer, P. Friess

16h15 – 17h45	POSTER SESSION « 1 » & COFFEE BREAK
17h45 – 18h15	TRANSFER TO CITY HALL
18H15 – 20H00	CITY HALL RECEPTION
20H00 – 20H30	Scientific committee meeting & dinner (by invitation only)

Wednesday 28 September 2016

8h00 - 8h30	COFFEE
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Keynote Lecture 3 (Chairperson : L. Tadrist)

8h30-9h15	<p style="text-align: center;"><u>Toward the Understanding of Convective Condensation of Synthetic Refrigerants, Natural Fluids and Mixtures</u> Srinivas Garimella Georgia Institute of Technology, Atlanta, GA 30032</p>
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Session 2 : Condensation and Pool Boiling (chairpersons : O. Kabov, & P. Di Marco)

9h15 – 9h30	16	<p>Experimental investigation of heat transfer coefficient during condensation on a wettability gradient surface F. M. Mancio Reis, H. Goumaidi, P. Lavieille, M. Miscevic</p>
9h30 – 9h45	34	<p>Experimental investigation of film thickness during condensation in microgravity L. P. Le Nguyen, P. Lavieille, M. Azzolin, S. Bortolin, A. Glushchuk, P. Queeckers, M. Miscevic, S. Dutour, D. Del Col, S. Chikov, C. S. Iorio</p>
9h45 – 10h00	76	<p>Experimental investigation on condensation flow regimes, heat transfer and pressure drop of ethanol in horizontal circular cross-section channel G. El Achkar, A. Glushchuk, S. Chikov, P. Queeckers, C. Iorio, R. Rioboo, V. Dupont, F. Dubois</p>
10h00 – 10h15	19	<p>Single Bubble Pool Boiling Experiment aboard SJ-10: Preliminary Results K. Wu, J.F. Zhao, H.X. Li, K. Li</p>
10h30– 10h45	75	<p>A study of the incipience of nucleate boiling at the submicronic scale M. Al Masri, J.Ibrahim, S. Cioulachtjian, C. Veillas, F. Celle, I. Verrier, Y. Jourlin, M. Martin, C. Pupier, F. Crayssac, F. Bellencontre, P. Pullumbi, F. Lefevre</p>

10h45-11h15	COFFEE BREAK
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Session 3 : Evaporation 1 Chairpersons : Q.S. Liu, V. Ajaev)

11h15 – 11h30	3	<p>Micromixing in evaporating droplets on liquid substrates caused by festoon instability O. Tarasov, N. Tarasova, N. Ivanova</p>
11h30 – 11h45	25	<p>Microgravity Experimental Investigation of Drop Evaporation onboard Chinese Satellite SJ10 Q.S. Liu, Z.Q. Zhu, J.C. Xie, H. Lin, G.F. Xu, Y. Gao, X. Chen</p>
11h45 – 12h00	36	<p>Local Heat Transfer to an Evaporating Sessile Droplet in an Electric Field M.J. Gibbons, P. Di Marco, A.J. Robinson</p>
12h00 – 12h15	57	<p>Visualization of Nanofluid Droplet Evaporation on Heated Textured Surfaces D.Y. Kim, J.H. Moon, J.-Y. Jung, J. Lee, S.H. Lee</p>
12h15 – 12h30	61	<p>Self-assembly by multi-drop evaporation of carbon-nanotube droplets on a silicon substrate H. Machrafi, C. Minetti, P.C. Dauby, C.S. Iorio</p>

12h30– 12h45	68	Numerical simulation of evaporative instabilities in sessile drops of ethanol S. Semenov, F. Carle, M. Médale, D. Brutin
12h45 – 13h15	Lunch BOX	

FREE TIME

15h30 – 17h30	Excursion « Departure for a boat trip to discover the calanques as far as « Sugiton » weather permitting. »	
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Gala Dinner	
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Thursday 29 September 2016

8h00 - 8h30	COFFEE
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Keynote 4 (Chairperson : J. Zhao)

8H30-9H15	<p style="color: blue; text-decoration: underline;">"Effects of Heater Size on Subcooled Boiling in Normal Gravity and Microgravity"</p> <p>Prof. Jin-Jia Wei, State Key Laboratory of Multiphase Flow in Power Engineering, School of Chemical Engineering and Technology, Xi'an Jiaotong University, Xi'an 710049, CHINA,</p>
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Session 4 : Evaporation 2 (+ General session)

(Chairpersons : O. Goncharova, P. Stephan)

9h15 – 9h30	62	Thickness measurement in a horizontal spot-heated liquid layer S.E. Spesivtsev, Yu.V. Lyulin, I.V. Marchuk and O.A. Kabov
9h30 – 9h45	72	A model of Imbibition and Evaporation of Liquids on Textured Substrates and Porous Layers T. Gambaryan-Roisman, P. Stephan
9h45 – 10h00	13	Electrostatic effects and evaporation near apparent contact lines C. Ketelaar, V. Ajaev
10h00 – 10h15	51	Surface cooling under a Leidenfrost drop: A comparison between interferometric measurements and numerical simulations M. A. J. van Limbeek, B. Sobac, M. Klein-Schaarsberg, C. Sun, A. Rednikov, P. Colinet, D. Lohse
10h15 – 10h30	8	Investigation of stability of the convective two-layer fluid flows with evaporation at interface V.B. Bekezhanova, O.N. Goncharova
10h30 – 10h45	20	Effect of the Ambient Temperature on the Start-Up of a Multi-Evaporator Loop Thermosyphon L. Araneo, D. Mangini, M. Mameli, S. Filippeschi, G. Valenti, M. Marengo
10h45 – 12h30	POSTER SESSION « 2 » & COFFEE BREAK	
12h30 – 13h30	Lunch	

Keynote Lecture 5 (Chairperson : H. Ohta)

13H30-14H15	<p style="color: purple; text-decoration: underline;">"Development of evaluation technology by numerical analysis and short duration microgravity experiment for propellant management device in propellant tank"</p> <p>Prof. Ryoji Imai, Department of Mechanical, Aerospace and Material Engineering, Muroran Institute of Technology</p>
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Session 5 : General Session

(Chairpersons : R. Imai, R. Gonzales-Cinca)

14h15 – 14h30	56	Plans and Recent Developments for Fluid Physics Experiments Aboard the ISS J. B. McQuillen, B. J. Motil
14h30 – 14h45	15	Characterization of free surface lateral sloshing: application of Reference Image Topography

		A. Simonini, D. Fontanarosa, M.G. De Giorgi, M.R. Vetrano, P. Colinet
14h45 – 15h00	33	Numerical Simulation of sloshing in a satellite tank under microgravity condition for low Bond numbers M. Lepilliez, A. Dalmon, S. Tanguy
15h00 – 15h15	14	Internal and External Flow structures and Transport Phenomena of an Acoustically Levitated Droplets M. Niwa, A. Watanabe, K. Hasegawa, T. Kanagawa, A. Kaneko, Y. Abe
15h15 – 15h30	73	Temperature Measurement using Infrared Thermometry within semi-transparent media A. Sielaff, G. Rosengarten, N. Rajic, P. Stephan

15h45- 16h00	Closing ceremony
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