

Wednesday 20 March - morning - joint meeting of MP1004, MP1103 and MP1106

Room A		Room B
8:30 - 9:00	Opening	
9:00 - 9:15	Amelia Montone: Information on MP1103	
9:15 - 9:30	Dalik Sojref: Information on MP1004	
9:30 - 9:45	Karapantsios: Information on MP1106	
9:45 - 10:15	Coffee	
10:15 - 10:30	Francois Beguin: Electrochemical hydrogen storage in carbons and application to supercapacitors (MP1004). (By Beguin, Frackowiak)	Tony Spassov: Mg/C nanocomposites for Hydrogen storage (MP1103). (By Spassov,)
10:30 - 10:45	<i>(Francois Beguin - cont.)</i>	David Antonelli: Exploiting the Kubas interaction in Hydrogen Storage (MP1103). (By Hoang, Antonelli)
10:45 - 11:00	Victoria Dutschk: Multi-functional complex liquids for coating semi/porous surfaces (MP1106). (By Dutschk , Boroumand, de Rosa, Zhao)	Gunars Bajars: LiFePO4 cathode – electrolyte interface in lithium ion batteries (MP1106). (By Bajars, Kucinskis, Bikova, Kleperis)
11:00 - 11:15	Steve Tennison: Carbon materials for hydrogen storage (MP1004). (By Tennison,)	Kondo-Francois Aguey-Zinsou: Controlled nanoarchitectures for the effective storage of hydrogen (MP1103). (By Aguey-Zinsou,)
11:15 - 11:30	<i>(Steve Tennison - cont.)</i>	Martin Dornheim: Novel Materials and Systems for Solid Hydrogen Storage (MP1103). (By Dornheim,)
11:30 - 11:45	Johan E. ten Elshof: Langmuir-Blodgett films of 2D metal oxide nanosheets as textured crystalline interfaces (MP1106)	Sónia Eugénio: Electrodeposition of Ni-Cu and Ni-Co-Cu porous foams using hydrogen bubble template (MP1106). (By Eugénio, Carmezim, Silva, Montemor)
11:45 - 12:00	F. Lufrano: Advanced symmetric supercapacitor based on activated carbon xerogel material (MP1004). (By Lufrano, Calvo, Staiti, Brigandi, Arenillas, Menéndez)	Chiara Milanese: Thermodynamic and kinetic characterization of the catalysed LiBH4 - MgH2 system (MP1103). (By Milanese,)
12:00 - 12:15	T. Nguyen: Nickel doped manganese oxide electrodes for redox supercapacitors (MP1004). (By Nguyen, Eugénio, Duarte, Silva, Carmezim, Boudard, Montemor)	Umit B. Demirci: Nanostructure-assisted hydrogen generation by hydro-/thermo-lysis of boranes (MP1103). (By Demirci,)
12:15 - 13:30	Lunch	

Wednesday 20 March - afternoon - joint meeting of MP1004, MP1103 and MP1106

13:30 - 13:45	Holger Gerdes: Patterned surface treatment by microplasmas to obtain area selective wettability of surfaces (MP1106). (By Thomas, Gerdes, Eichler, Klages)	Juan Kiwi: Uniform, adhesive, robust Cu/TiO ₂ films inducing eco-friendly bacterial/viral inactivation under low intensity solar light (MP1106). (By Kiwi, Rtimi, Pulgarin, Sanjines)
13:45 - 14:00	Ramiro Ruiz-Rosas: electrochemical performance of hierarchical carbon structures obtained from lignin infiltration of zeolite templates (MP1004). (By Ruiz-Rosas,)	Aleš Jager: Bulk magnesium alloys with ultrafine-grained structure suitable for hydrogen storage and biodegradable implants (MP1103). (By Jager,)
14:00 - 14:15	Mojtaba Mirzaeian: Diagnostic Studies to Improve Abuse Tolerance and Life of Li-Air Batteries (MP1004). (By Mirzaeian, Hall, Rennie, Noofeli)	Stuart Turner: Hybrid metal-organic framework structures studied by advanced transmission electron microscopy (MP1103). (By Turner, Wiktor, Fischer, Van Tendeloo)
14:15 - 15:15	Coffee & posters	
15:15 - 16:15		Roundtable: Joint activities of MP1004, MP1103, MP1106 (Moderator: Peter Hall)
16:30 - 19:00	City tour	

Thursday 21 March - morning, before coffee break

	Room A	Room B	Room C
8:00 - 8:30	Registration		
8:30 - 9:00	Opening		
9:00 - 9:30	Plenary S. M. Moghimi: Challenges in Translational Nanomedicine		
	Bubbles & Drops Interfaces (Chair: R. Miller, J. Petkov)	Evaporating droplets on solids (Chair: C. van der Geld, M. Sanahan)	Materials (Chair: V. Dutschk, M. Ersöz)
9:30 - 9:45	David Beattie: Droplet – Surface Interactions in the Presence of Adsorbed Polymer Layers. (By Korczyk, Jacquet, Popescu, Krasowska, Beattie)	David Brutin: Droplets of pure and complex fluids evaporation: wetting, instabilities and pattern formation. (By Carle, Bouzeid, Brutin)	I. Malavasi: How to choose among different kinds of superhydrophobic surfaces? Innovative test protocol on ageing of superhydrophobic surfaces. (By Malavasi, Bernagozzi, Antonini, Marengo)
9:45 - 10:00	Dominik Kosior: Influence of n-octanol on the bubble bouncing and coalescence time at solution surface. (By Kosior, Zawala, Malysa)	David Fairhurst: Deposits from evaporating droplets. (By Kyle Baldwin, Yohana Msambwa, Fouzia Ouali, David Fairhurst)	Arnaud Saint-Jalmes: Wide tuning of interfacial viscoelasticity and bulk rheology using thermoresponsive supramolecular assemblies of fatty acids. (By Fameau, Saint-Jalmes)
10:00 - 10:15	Mickaël Antoni: Drainage dynamics of water/surfactant droplets in paraffin oil. (By Lekhlifi, Ouazzani, Antoni)	Věra Pěnkavová: Interfacial characteristics of colloidal dispersions: The apparent wall slip and its detection. (By Pěnkavová, Wein)	Elena Mileva: Thermoresponsive PNIPAM-g-PEO nanoparticles for delivery of NSAIDs. (By Soklev, Soklev, Mileva, Arabadzhieva)
10:15 - 10:30	Benoit Haut: Multiscale analysis of gas absorption in liquids. (By Wylock, Dehaeck, Mikaelian, Larcy, Talbot, Colinet, Haut)	Marcus C. Lopes : Controlling the evaporation of sessile drops by surface softness. (By Lopes , Bonaccorso)	James K. Ferri : Programmable Thermoresponsive Polymers for Interfacial Stabilization. (By Gambinossi, Chanana, Mylon, Ferri)
10:30 - 11:00	Coffee + Registration		

Thursday 21 March - morning, after coffee break

	Interfacial adsorption & rheology (Chair: D. Langevin, D. Beattie)	Bioscience & Biotechnology (Chair: S. Guido, N. McMillan)	Materials - joint session (Chair: D. Sojref, A. Montone)
11:00 - 11:15	Krastanka G. Marinova: Co-adsorption in mixed protein and/or surfactant solutions studied by solution exchange experiments with pendant bubbles and thin films. (By Marinova, Basheva, Stanimirova, Georgiev, Alexandrov, Danov, Kralchevsky)	Klaus Unfried: Molecular mechanisms of nanoparticle-cell interaction: physico/chemical properties determining membrane-dependent cell signalling events. (By Sydlik, Peuschel, Stöckmann, Bieschke, Autengruber, Gotić, Grether-Beck, Unfried)	Spyros Voutetakis: A Computer-Aided Molecular Design Approach for the Synthesis of Novel Chemicals and Mixtures (MP1106). (By Papadopoulos, Seferlis, Voutetakis)
11:15 - 11:30	Reinhard Miller: Adsorption layer properties of alkyl trimethyl ammonium bromides CnTAB at different liquid interfaces. (By Mucic, Kovalchuk, Aksenenko, Fainerman, Miller)	Libero Liggieri: Effects of carbonaceous nanoparticles on the surface properties of model lung surfactant layers. (By Liggieri, Guzman, Santini, Ferrari, Ravera)	Andreas Züttel: Closing the cycle with hydrogen. (By Züttel,)
11:30 - 11:45	Theodor D. Gurkov: Rheology of interfacial layers at different density and degree of entanglement. (By Gurkov, Stanimirova, Nenova)	Tomasz R. Sosnowski: Atomization of biocolloids: a perspective for regenerative inhalation therapy?. (By Sosnowski, Kurowska)	Jose Ramón Ares Fernández: Decomposition of MgH ₂ thin films investigated by Ion beam techniques (MP1103). (By Fernández,)
11:45 - 12:00	Gisle Øye: Dynamic adsorption of dissolved oil compounds in produced water onto air bubbles: Influence of crude oil and water composition. (By Eftekhardakhah , Øye)	Sandor Barany : Flocculation of bacterial suspensions using polyelectrolytes. (By Barany ,)	Zoran Šaponjić: In situ generation of Ag nanoparticles on polyester and cotton fabrics by photoreduction using TiO ₂ nanoparticles (MP1106). (By Milošević, Saponjić, Radoičić, Nunney, Marković, Nedeljković, Radetić)
12:00 - 12:15	Simeon D. Stoyanov: Surface dilatational rheology of triterpenoid and steroid saponins on the air/water interface. (By Golemanov, Golemanov, Borisova, Tcholakova, Denkov, Pelan, Stoyanov)	Ivana Fenoglio: Proteins/nanoparticles interactions in the toxicity of nanomaterials. (By Fenoglio, Marucco, Turci, Ghibaudi)	Ádám Révész: Correlation between microstructural parameters (obtained by high resolution X-ray line profile analysis) and H-storage properties (MP1103). (By Révész,)
12:15 - 12:30	Boris Noskov: Dynamic properties of mixed nanoparticle/surfactant adsorption layers. (By Noskov, Yazhgur, Liggieri, Lin, Loglio, Miller, Ravera)	Daniel Ruiz-Molina: Smart bionanostructures and interfaces via direct reaction of functionalized catechol. (By Saiz-Poseu, García, Sedó, Hernando, Busqué, Ruiz-Molina)	
12:30 - 14:00	Lunch		

Thursday 21 March - afternoon, before coffee break

	Room A	Room B	Room C
14:00 - 14:30	Plenary Mohamed S. Hamed: Mechanistic Wall Heat Flux Partitioning Model of Nucleate Boiling Under Impinging Jets. (By Omar, Hamed)		
	Bubbles & Drops Interfaces (Chair: J. K. Ferri, S. Stoyanov)	Foams (Chair: E. Mileva, A. Saint-Jalmes)	Particles, evaporating droplets (Chair: M. Antoni, T. Sosnowski)
14:30 - 14:45	J. G. M. Kuerten: Evaporation and adsorption of drops on solid and porous substrates. (By Siregar, Kuerten, van der Geld)	Dominique Langevin: On the “very stable” aqueous foams. (By Arriaga, Drenckhan, Rio, Salonen, Langevin)	Miguel A. Cabrerizo-Vílchez: Formation of nanoparticle ring-like deposits at driven receding contact lines. (By Moraila-Martínez, Cabrerizo-Vílchez, Rodríguez-Valverde)
14:45 - 15:00	Julien Sebilleau: Growth, sliding and detachment of a bubble near a wall: effect of the wetting conditions. (By Sebilleau, Colin)	S. T. Tobin: A model system for foam fractionation. (By Tobin, Hutzler, Meagher, Marguerite, Weaire)	Martin E. R. Shanahan: Structure of “coffee-ring” nano-deposits following drop evaporation. (By Shanahan, Askounis, Koutsos, Sefiane)
15:00 - 15:15	Jean-Francois Argillier: Impact of water soluble polymers on oil removal by air flotation. (By Mouazen, Boufarguine, Hénaut, Argillier)	Tuomo Hjelt: Foam processes at VTT. (By Hjelt, Lehmonen)	Khellil Sefiane: Dynamics of three phase contact lines of evaporating nanofluid droplets. (By Sefiane, Shanahan, Orejon)
15:15 - 15:30	Sergio Caserta: Multiphase fluids in confined flow. (By Caserta, Perazzo, Preziosi, D'Apolito, Tomaiuolo, Pommella, Guido)	Jordan Petkov : Particulates for stabilizing foams and emulsions: the challenges remain. (By Petkov ,)	Vasileios Koutsos: Poly(ethylene oxide)-based structures self-assembled on surfaces after evaporation from aqueous solutions. (By Koutsos, Mamalis, Kalloudis, Sefiane)
15:30 - 15:45	Stefano Guido: Flow behavior of complex interfaces: the case of surfactant vesicles. (By Pommella, Caserta, Guido)	Anniina Salonen: Foaming Emulsions. (By Yazhgur, Yoshitake, Heitkam, Rio, Saint-Jalmes, Langevin, Salonen)	Tatiana Gambaryan-Roisman: Measurement of temperature field in a droplet by Laser Induced Fluorescence and by Fluorescence Lifetime Imaging Microscopy. (By Still, Gambaryan-Roisman, Stephan)
15:45 - 16:45	Coffee + posters		

Thursday 21 March - afternoon, after coffee break

	Macroscopic interfaces (Chair: J. Vejraska, B. Peters)	Interactions in droplets & particles (Chair: S. Barany, M. Pascu)	Modelling (Chair: M. Kostoglou, ???)
16:45 - 17:00	Francesc Suñol: Bubble bouncing with a free surface in hypergravity conditions. (By Suñol, González-Cinca)	Glen McHale: Dielectrowetting Control of Droplets of Non-Conducting Liquids. (By McHale, Trabi, Brown, Newton, Sampara)	Metin Muradoglu: A Front-Tracking Method for Computational Modeling of Viscoelastic Two-Phase System. (By Izbassarov, Olgac, Muradoglu)
17:00 - 17:15	John S. Lioumbas: Effect of gravity on heat and mass transfer phenomena during the immersion of a water saturated porous matrix in hot oil. (By Lioumbas, Karapantsios)	Andrej Jeromen: Metal droplet detachment regimes in ring cross-section conical laser beam droplet generation. (By Jeromen, Govekar)	Maria L. Ekiel-Jezewska: Motion of a spherical particle near a planar fluid-fluid interface: the effect of surface incompressibility. (By Blawdziewicz, Ekiel-Jezewska, Wajnryb)
17:15 - 17:30	Cees van der Geld: Design rules of swirl nozzles for steam attemperation. (By van Banning, van der Geld, Broos, Strebe)	Bernhard Peters: Experimental and Numerical Investigations into the Coating Process of a Single Particle. (By Peters, Amirfazli)	Alexander Kartushinsky: Turbulent particulate pipe flow at constant Reynolds number. (By Kartushinsky, Michaelides, Rudi, Tisler)
17:30 - 17:45	N. Andritsos: Effect of fluid properties on gas-sheared and free interfaces. (By Andritsos, Bontozoglou, Vlachogiannis, Georgantaki, Cao)	Yoav Tsori: The interaction between colloids in polar mixtures. (By Samin, Tsori)	Mehmet Yildiz: Modeling of Three Phase Flow by Incompressible Smoothed Particle Hydrodynamics. (By Tofighi, Yildiz)
17:45 - 18:30	Roundtable Food, biotechnology and biomedical		
18:30 - 19:30	Management Comitee meeting		
20:00 - 23:00	Dinner		

Friday 22 March - morning

	Room A	Room B
	Bubbles in Humans (Chair: L. Liggieri, ???)	Diagnostics & Applications (Chair: K. Malysa, G. McHale)
8:30 - 8:45	Thodoris Mesimeris: Bubbles in humans: etiology, detection, symptoms – The role of Hyperbaric Medicine. (By Mesimeris,)	Norman McMillan: Quest for new detection limits in green and smart interface measurements. (By Arthure, Barnett, Creasey, Creedon, Egan, McMillan, Murtagh, O'Neill, Pringuet, Riedel, Smith)
8:45 - 9:00	Costantino Balestra: The Phypode Project, new advances in Physiopathology of Diving. (By Balestra, Papadopoulou, Distefano, Popov, Guerrero)	Virginia Palero: Endoscopic digital holography for application in biomedical flows. (By Arévalo, Palero, Arroyo)
9:00 - 9:15	Giovanni Distefano : Decompression Algorithms. (By Distefano , Popov)	Maria Rosaria Vetrano: Nanoparticles characterization by a non-intrusive measurement technique. (By Horvath, Colinet, Gouriet, Vetrano)
9:15 - 9:30	Meng-Xing Tang: Microbubble contrast agents in ultrasound imaging and therapy. (By Tang, Eckersley)	Jacek Bodasiński: Environmental and medical technologies: link between science and industry. (By Bodasiński, Gradoń)
9:30 - 9:45	Sotiris P. Evgenidis: An electrical technique for detection of micro-bubbles in living subjects with in-vitro validation. (By Evgenidis, Zacharias, Karapantsios, Savvas, Pavlidou, Papazoglou, Patsikas)	Herman Wijshoff : Drop on demand inkjet printing. (By Wijshoff ,)
9:45 - 10:00	Virginie Papadopoulou : Effect of different tissue surfaces on decompression induced bubble growth from gas saturated solutions. (By Papadopoulou , Evgenidis, Eckersley, Balestra, Tang, Karapantsios)	Kostas Tsarhopoulos: Development of an Integrated Post Column Derivatization System. (By Rigas, Tsarhopoulos, Bozatzidis)
10:00 - 10:30	Plenary - strategic information Jana Kratěnová, Jan Pracna: ??? (Information about EU calls)	
10:30 - 11:00	Coffee	
11:00 - 11:45	Roundtable Nanotechnology & nanoscience	
11:45 - 12:30	Roundtable Energy and environment	
12:30 - 13:45	Lunch	

Friday 22 March - afternoon

13:45 - 14:15	Commercialization questionnaire Norman McMillan	Meeting of ESG (Early-stage researcher group)
14:15 - 14:45	Strategic information Jean-Francois Renault: Smart & Green interfaces meet EU policy.	
14:45 - 15:15	Carreer development Sanopoulos Dimitrios: EURAXESS Initiative and EURAXESS Jobs Portal.	
15:15 - 15:45	Gender balance issues Tatiana Gambaryan-Roisman: Gender balance and targeted activities in Germany Victoria Dutschk: Ways to embrace diversity and promote female academic leadership at the University of Twente	
15:45 - 16:45	Posters + farewell coffee	

Saturday 23 March

9:30 - 13:30	City tour
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