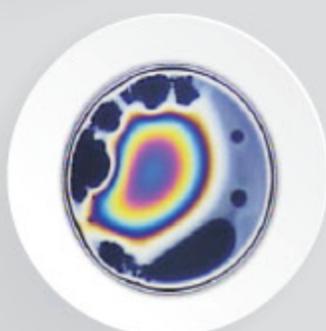
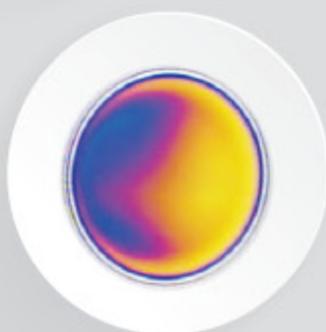


ECIS



2013



27th CONFERENCE
EUROPEAN COLLOID AND
INTERFACE SOCIETY

PROGRAM



September 1-6
2013



Sofia
Bulgaria



Sponsors & Exhibitions



SINTERFACE

Welcome to the 27th ECIS meeting, September 1- 6, 2013, Sofia, Bulgaria

Dear Colleagues,

The 27th Conference of the European Colloid and Interface Society takes place in Sofia, the Capital of Bulgaria. It is organized by the Department of Interfaces and Colloids (Institute of Physical Chemistry, Bulgarian Academy of Sciences) and the Department of Physical Chemistry (Faculty of Chemistry and Pharmacy, Sofia University).

The Conference topics cover: Surface Forces and Thin Liquid Films; Foams, Emulsions and Microemulsions; Surfactants, Lipids and Self-Assembly; Interfacial Electric Phenomena; Complex Fluids; Polymers, Gels and Phase Behaviour; Biocolloids/Interfaces in Pharmacy and Medicine; Micro- and Nanostructured Materials; Environmental Colloid Science.

Parts of the Conference are supported by the Framework for European Cooperation in Science and Technology (COST). Two Workshops of the major pan-European research Networks in the field of Colloid and Interface Science are also embedded in ECIS 2013: COST Action CM1101 "Colloidal Aspects of Nanoscience for Innovative Processes and Materials", and COST Action MP1106 "Smart and green interfaces - from single bubbles and drops to industrial, environmental and biomedical applications".

Students have been and are very important participants in the ECIS Conferences. As part of the event we organize a pre-conference ECIS Training Course "Colloids and Medical Applications" Venue on August 31-September 01, 2013. The Training Course is supported by ECIS and by COST Action CM1101.

The Organizers warmly welcome all ECIS 2013 participants. We hope that the Conference will provide a wide opportunity for exchange of new ideas, will outline major recent achievements in colloid and interface science and on contributions to the progress in the various application areas.



Organisers:
Department of Interfaces and Colloids
Institute of Physical Chemistry
Bulgarian Academy of Sciences
and
Department of Physical Chemistry
Faculty of Chemistry and Pharmacy
Sofia University



Chair: Elena Mileva
Co-Chair: Boryan Radoev
www.ecis2013.org
ecis13@ipc.bas.bg

Some useful information

Registration

The Registration Desk is situated in the Congress Center of the Conference Venue: Hotel Sofia Princess. It is open from 10:00 am on Sunday, September 01.

Welcome Reception

Welcome reception starts at 18:30 on Sunday, September 01, in Meridien Restaurant and Europe Hall, at the Conference Venue.

Lunches and Coffee breaks

Lunches will be served in Meridien Restaurant and Europe Hall.

Conference Dinner

Conference Dinner will be on Wednesday, September 04, in Sheraton Sofia Hotel Balkan, at 19:30.

Internet access

The Conference Venue is equipped with free of charge Wi-Fi Internet access.

Plenary Lectures (PL)

All Plenary lectures will be in the Main Hall (Diamond Hall) of the Conference Venue. The duration of PL is 40 min.

Oral Presentations (OC)

The duration of the oral presentation is 20 min, including discussion. Presentation facilities include Windows PC with recent versions of MS Office and Adobe Reader. Personal and private computers cannot be used. The lecturers should upload their presentations (using USB sticks) well before the presentation time: for morning sessions – in the afternoon of the previous day, for afternoon sessions – during the coffee breaks and lunch time of the same day in the Conference Secretariat. Technical assistance is available in each hall.

Some useful information

Keynote Lectures (KN)

The duration of the Keynote Lecture is 30 min, including discussion.

Posters (P)

The maximum poster size is A0. The posters should be displayed at 08:30 am and removed after the Closure of the respective session.

Poster Awards

Every year ECIS awards the best posters. The prizes are kindly donated by ELSEVIER. The winners will be announced on Friday, September 06, immediately before the Rhodia Prize Plenary Lecture.

Publication of Proceedings

The publisher ELSEVIER has agreed to publish proceedings of ECIS 2013 Conference in the journal Colloids and Surfaces A. The guest Editors will be Elena Mileva, Boryan Radoev and Reinhard Miller. The submission starts on August 20, 2013 and should be completed by October 31, 2013. The manuscripts will be handled by the standard routine of this journal, i.e. will have to pass a peer reviewing. All contributors (orals as well as poster contributions) are invited to submit manuscripts via:

<http://ees.elsevier.com/colsua/>

Conference Organizing Committee

- Elena Mileva – Bulgarian Academy of Sciences (Chair)
- Boryan Radoev – Sofia University (Co-Chair)
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- Ljubomir Nikolov – Bulgarian Academy of Sciences
- Roumen Todorov – Bulgarian Academy of Sciences
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Conference Sponsors and Exhibitors

We thank Anton Paar, ELSEVIER, TECLIS, LS Instruments, PlasmaChem, Unilever, SINTERFACE, Accurion and COST for their generous contributions and support to ECIS 2013 Conference.

Sunday, September 01

10:00 – 20:00 Registration

18:30 – 20:00 Welcome Reception

Monday, September 02 – Oral Sessions

Morning Sessions (08:45 – 12:10)

Main Hall

Chair: Elena Mileva

8:45 Opening Ceremony

9:00 **PL1: Properties of charged particles in non-polar fluids**
DAVID WEITZ, Department of Physics, Harvard University, USA

9:40 Coffee

	Hall 1	Main Hall	Hall 2
	T1. SURFACE FORCES AND THIN LIQUID FILMS Chair: Dimo Platikanov	T7. BIOCOLLOIDS/INTERFACES IN PHARMACY AND MEDICINE Chair: Tommy Nylander	T2. FOAMS, EMULSIONS AND MICROEMULSIONS Chair: Kazimierz Malysa
10:00	KN1: Supercooled water drops on superhydrophobic surfaces: wettability, interaction with substrate, freezing <i>Ludmila Boinovich, Russia</i>	KN1: Monitoring the interaction of nucleolipoplexes with model membranes <i>Piero Baglioni, Italy</i>	KN1: Masters of packing: foams and emulsions under gravity <i>Wiebke Drenckhan, France</i>
10:30	Q1: Electric double layer forces in three phase contact formation <i>Bart Follink, Australia</i>	Q1: Reorganization of nanosized lipid assemblies spread at model membrane interfaces <i>Ivan Panaiotov, Bulgaria</i>	Q1: Hydrodynamic cavitation: a bottom-up approach to liquid aeration <i>Luben Arnaudov, Netherlands</i>
10:50	Q2: The unscreened pendant of the DLVO-repulsion <i>Albert Philipse, Netherlands</i>	Q2: Understanding the interactions of antimicrobial amphiphilic molecules with bacterial and human cell membranes from molecular dynamics simulations <i>Daniel Cheong, Singapore</i>	Q2: Effect of surface diffusivity on the head-on coalescence of viscous drops with insoluble surfactants. Difference between polymeric systems and oil/water emulsions <i>Carolina Vannozzi, USA</i>
11:10	Q3: Probing pair distributions of confined fluids <i>Peter Thiesen, Germany</i>	Q3: Novel nanomaterials with antimicrobial activity and their application in biomedical field <i>Polina Prokopovich, UK</i>	Q3: Coalescence of repelling colloidal droplets: a route to monodisperse populations <i>Kevin Roger, France</i>
11:30	Q4: Characterization of liquid films by imaging ellipsometry <i>Kim Nygård, Sweden</i>	Q4: Conformation change and amyloid formation of protein at liquid-liquid interfaces <i>Hitoshi Watarai, Japan</i>	Q4: Kinetics of drop breakage and drop-drop coalescence in turbulent flow <i>Slavka Tcholakova, Bulgaria</i>
11:50	Q5: Thin liquid films studied by atomic force microscopy <i>Marta Krasowska, Australia</i>	Q5: Nonlamellar lipid liquid crystalline model surfaces for biofunctional studies <i>Maria Wadsäter, Sweden</i>	Q5: Shear stability and gelation of inverse emulsions <i>Stefano Lazzari, Switzerland</i>
12:10	Lunch		

Monday, September 02 – Afternoon Sessions

(13:30 – 15:40)

	T1. SURFACE FORCES AND THIN LIQUID FILMS Chair: Ludmila Boinovich	T7. BIOCOLLOIDS/INTERFACES IN PHARMACY AND MEDICINE Chair: Piero Baglioni	C1. COST CM1101 WORKSHOP Chair: Piotr Warszyński
13:30	KN2: Adhesive forces between particles <i>Hans-Jürgen Butt, Germany</i>	KN2: Carbon dioxide-mediated generation of hybrid nanoparticles for improved bioavailability of protein kinase inhibitors <i>Martin Malmsten, Sweden</i>	KN1: Smart coatings based on pH-responsive micelles <i>Andreas Fery, Germany</i>
14:00	Q6: Coagulation by simple multivalent counterions <i>Johannes Lyklema, Netherlands</i>	Q6: Enhanced chemical and colloidal stability of carboxylated magnetite nanoparticles designed for biomedical use <i>Etelka Tombácz, Hungary</i>	Q1: Magnetic nanostructures as doxorubicin vehicles for cancer therapy <i>Angel Delgado, Spain</i>
14:20	Q7: Frictional properties of confined ionic liquids <i>Filippo Federici Canova, Japan</i>	Q7: Protein coated gold nanoparticles: towards biological interfaces on nanomaterials <i>Munish Chanana, Germany</i>	Q2: Effect of nanoparticles on the surface properties of lipid monolayers with potential implication for lung surfactant functionality <i>Francesca Ravera, Italy</i>
14:40	Q8: Aggregation of colloidal particles in ionic liquids <i>Tamás Szabó, Hungary</i>	Q8: A microfluidic platform for synthesis of controlled release nanoparticles for targeted cancer therapy <i>Jiang Xu, France</i>	Q3: Electrokinetic and AFM studies of fibrinogen adsorption on colloid particles <i>Paulina Żeliszewska, Poland</i>
15:00	Q9: Development of a system measuring adhesion forces in powder collectives <i>Stefanie Wanka, Germany</i>	Q9: "Fit-for-Function" design of lyotropic liquid crystalline matrices for on-demand drug delivery <i>Wye-Khay Fong, Australia</i>	Q4: Facile synthesis of meso/macroporous materials in highly concentrated emulsions with a cubic liquid crystal <i>Jeremie Nestor, Spain</i>
15:20	Q10: Ion specific structure of nano-confined electrolytes <i>Rosa Espinosa-Marzal, Switzerland</i>	Q10: Colloidal properties of spider silk protein particles: Direct force measurements and electrophoretic mobility <i>Georg Papastavrou, Germany</i>	Q5: Surface pressure and elasticity of hydrophobin HFBII layers on the air-water interface: rheology vs. structure detected by AFM imaging <i>Theodor Gurkov, Bulgaria</i>
15:40	Coffee		

**Monday, September 02 – Afternoon Sessions Continued
(14:00 – 18:00)**

	T1. SURFACE FORCES AND THIN LIQUID FILMS <i>Chair: Hans-Jürgen Butt</i>	T7. BIOCOLLOIDS/INTERFACES IN PHARMACY AND MEDICINE <i>Chair: Martin Malmsten</i>	C1. COST CM1101 WORKSHOP <i>Chair: Andreas Fery</i>
16:00	<u>Q11</u> : Interaction forces in particle dispersions revealed by aggregation and direct force measurements <i>István Szilágyi, Switzerland</i>	<u>Q11</u> : How do we place liposome as a model membrane? <i>Yuji Yamashita, Japan</i>	<u>Q6</u> : Synthesis, characterization and antibacterial properties of polyrhodanine/needle-like TiO ₂ core/shell hybrid nanostructure <i>Halil Ibrahim Unal, Turkey</i>
16:20	<u>Q12</u> : Linear stability of falling films in the presence of soluble surfactants <i>George Karapetsas, Greece</i>	<u>Q12</u> : New antibacterial surfaces: biomimetic black-silicon with dragonfly wing nanostructures <i>Russell Crawford, Australia</i>	<u>Q7</u> : Lanthanide interaction with lipids: The battle against hydration. A combined LB and ITC study <i>Epameinondas Leontidis, Cyprus</i>
16:40	<u>Q13</u> : Near wall dynamics of colloidal suspensions studied by evanescent wave dynamic light scattering <i>Peter Lang, Germany</i>	<u>Q13</u> : New synthetic routes to thiolated mucoadhesive nanoparticles <i>Vitaliy Khutoryanskiy, UK</i>	<u>Q8</u> : Immobilization of enzymes onto silica particles with magnetic core with the aim to prepare recoverable biosensors <i>Enrique Lopez-Cabarcos, Spain</i>
17:00	<u>Q14</u> : The analysis of wettability of highly curved surfaces on the basis of surface forces <i>Alexandre Emelyanenko, Russia</i>	<u>Q14</u> : Responsive hyaluronic acid nanogels with controlled structure for drug delivery <i>Valerie Ravaine, France</i>	<u>Q9</u> : Electrodeposition of porous copper using colloidal crystal templating <i>Madoka Hasegawa, Switzerland</i>
17:20	<u>Q15</u> : Automated method for measurement of dynamic contact angles of liquid <i>Michail Avramov, Bulgaria</i>	<u>Q15</u> : Interfacial rheology of bacterial biofilms <i>Patrick Alberto Rühs, Switzerland</i>	<u>Q10</u> : Asymmetric functionalization of shape-anisotropic polymer nanoparticles <i>Marco Lattuada, Switzerland</i>
17:40	<u>Q16</u> : Diffusion of gold nanoparticle close to solid-liquid interfaces <i>Werner Steffen, Germany</i>	<u>Q16</u> : Assembling of graphene oxide in an isolated dissolving microdroplet <i>Xuehua Zhang, Australia</i>	<u>Q11</u> : Fabrication of SPR nanosensor using gold nanoparticles and self-assembled monolayer technique for detection of Cu ²⁺ in an aqueous solution <i>Eid Sayed Azzam, Egypt</i>

**Monday, September 02 - Poster Session I
(18:00 – 20:00)**

T1. Surface Forces and Thin Liquid Films		
№	Author name	Title
T1.P1	Anna Niecikowska, Poland	The wetting film drainage and rupture at titania surfaces of different hydrophobicity
T1.P2	Baptiste Jaquet, Switzerland	Investigating electro-steric interactions of weak polyelectrolytes on particle surface through monitoring their aggregation kinetics
T1.P3	Bair Damdinov, Russia	Low-frequency shear viscoelastic relaxation in liquids
T1.P4	Boryan Radoev, Bulgaria	Static and dynamics of capillary bridges
T1.P5	Boryan Radoev, Bulgaria	Adhesion improvement of electroless copper coatings by thixotropic additives
T1.P6	Boryana Ralcheva, Bulgaria	Stability of foam films under dynamic conditions
T1.P7	Carolina Vannozzi, USA	Disjoining pressure of core-shell particle stabilized thin films
T1.P8	Christiane Helm, Germany	Parabolic and linear growth regime of PDADMAC/PSS multilayers
T1.P9	Christiane Helm, Germany	The effects of reactive oxygen species on single polycation layers
T1.P10	Clare Mayes, UK	The Impact of water on a range of non-aqueous colloidal suspensions
T1.P11	Denny Vitasari, UK	Surfactant transport onto a foam lamella
T1.P12	Dilek Gazolu, Bulgaria	Adsorption on solid surfaces: Effect of surfactant and calcium
T1.P13	Dora Dimitrova, Bulgaria	Quantitative evaluation of surfactant adsorption from kinetic interfacial tension data
T1.P14	Elka Basheva, Bulgaria	Self-assembled bilayers from the protein HFBII hydrophobin: Nature of the adhesion energy
T1.P15	George Karapetsas, Greece	The effect of varying substrate wettability on the thermocapillary motion of droplets
T1.P16	Georgia Pilkington, UK	Dendritic nanofluids mediating surface forces: A combined SAXS and SFA study
T1.P17	Gregor Trefalt, Switzerland	Poisson-Boltzmann description of interactions and aggregation in charged colloidal suspensions in the presence of multivalent ions
T1.P18	Hristina Petkova, Bulgaria	Emulsion (oil/water/oil and water/oil/water) films from polyoxyalkylated diethylenetriamine polymeric surfactant solutions: Molecular structure effect
T1.P19	Ivan Ivanov, Bulgaria	Wetting properties of ionic liquids
T1.P20	Jakub Vlček, Czech Republic	Impinging jet study of the deposition of colloidal particles on synthetic polymer (Zeonor) and glass surfaces
T1.P21	Jana Angarska, Bulgaria	Co-adsorption of bovine serum albumin in n-dodecyl-β-D-maltoside foam films
T1.P22	Jaroslav Katona, Serbia	Tensiometric investigation on adsorption of oil-soluble emulsifiers at w/o interfaces
T1.P23	Jooyoung Won, Germany	Bubble-bubble interaction in aqueous β-lactoglobulin solutions
T1.P24	Kazimierz Malysa, Poland	Kinetics of the bubble collisions at hydrophilic fritted glass with controlled air presence – experiments and numerical simulations

No	Author name	Title
T1.P25	Kazimierz Malysa, Poland	Influence of cationic surfactant on kinetics of the three phase contact formation at mica and teflon surfaces
T1.P26	Ken Yamamoto, Japan	Control of the bubble departure diameter by saw-tooth surfaces
T1.P27	Klemen Bohinc, Slovenia	Bacterial adhesion to metal surfaces
T1.P28	Kristina Neshkova, Bulgaria	Relation between surface rheological properties and foam film behavior of saponin solutions
T1.P29	Magdalena Wlodek, Poland	Effect of solid surface modification on the formation of supported lipid bilayers
T1.P30	Malgorzata Adamczak, Poland	Membrane emulsification as a method to form liquid core polyelectrolyte microcapsules
T1.P31	Mihail Georgiev, Bulgaria	Co-adsorption of the proteins β -casein and BSA in relation to the stability of thin liquid films and foams
T1.P32	Naoyuki Ishida, Japan	Short-range hydrophobic attraction between silanated silica surfaces and solvophobic attraction
T1.P33	Narjes Shojai Kaveh, Netherlands	Contact angle interpretation of CO ₂ -water-oil-sandstone system by surface free energy analysis
T1.P34	Natalie Kuznicki, Canada	The pH dependence of cascade partial coalescence at oil-electrolyte interfaces
T1.P35	Nevena Borisova, Bulgaria	Surface dilatational properties of triterpenoid and steroid saponins on the air-water interface
T1.P36	Nikolay Panchev, Bulgaria	Electrohydrodynamic instabilities in emulsion films
T1.P37	Osamu Shibata, Japan	Langmuir monolayer properties of egg yolk lecithin with palmitic acid and hexadecanol
T1.P38	Osamu Shibata, Japan	Miscibility behaviour of sphingomyelin with phytosterol derivatives by a Langmuir monolayer approach
T1.P39	Osamu Shibata, Japan	Specific effect of glycyrrhetic acid on lipid raft model membrane: A Langmuir monolayer study
T1.P40	Peter Georgiev, Bulgaria	Kinetics studies of gold nanoparticle growth in the presence of metal ions studied by UV-vis spectroscopy and Atomic Force Microscopy (AFM)
T1.P41	Peter Georgiev, Bulgaria	Role of gold nanoparticles on the photocatalytic efficiency of ZnO films
T1.P42	Quoc - Chon Le, France	Evidence for electrostatic interactions mediating the affinity of phosphorylated lipid for TiO ₂ surface
T1.P43	Rumyana Stanimirova, Bulgaria	Competitive adsorption of HFBII hydrophobin and surfactant: Sequential vs. parallel adsorption and effect of surfactant micelles
T1.P44	Siân Jones, France	Instability of stretched and twisted soap films in a cylinder
T1.P45	Sylvia Tzocheva, Bulgaria	Solubility limits and phase diagrams for fatty acids in anionic (SLES) and zwitterionic (CAPB) micellar surfactant solutions
T1.P46	Tonya Andreeva, Bulgaria	Light-harvesting complex II monolayers in two conformational states
T1.P47	Vladimir Smorodin, USA	Fundamentals of theory of coagulation of heterophilic colloids (beyond DLVO)
T1.P48	Vladyslav Voloshynet, Ukraine	Synthesis, investigation and use of aqueous acrylic dispersions
T1.P49	Hocine Alla, Algérie	The spreading dynamics of liquids on rough surfaces
T1.P50	Anna Volkova, Russia	Stabilization factors and coagulation kinetic of polydisperse positively charged alumina sol
T1.P51	Zhantao Wang, Australia	Nanoscale droplets and thin films of ionic liquids on mica surface

T7. Biocolloids/Interfaces in Pharmacy and Medicine		
No	Author name	Title
T7.P1	Borislav Soklev, Bulgaria	Smart PNIPAM-g-PEO nanoparticles for delivery of NSAIDs
T7.P2	Brian Saunders, UK	Doubly crosslinked microgel/polyelectrolyte complexes: Three simple methods to tune and improve gel mechanical properties for regenerative medicine applications
T7.P3	Christa Nilsson, Denmark	Characterization of oil-free and oil-loaded liquid crystalline particles stabilized by the negatively charged stabilizer Citrem
T7.P4	Christa Nilsson, Denmark	SPECT/CT imaging of radiolabeled phytantriol-based cubosomes and hexosomes: Potential medical applications
T7.P5	David Brutin, France	Relative humidity influence on spreading, pattern formation and adhesion of a drying drop of whole human blood
T7.P6	Elena Reshetova, Russia	Enantioselective adsorption of ibuprofen enantiomers on a chiral adsorbent with grafted eremomycin antibiotic
T7.P7	Elena Reshetova, Russia	Adsorption thermodynamics of phenylcarboxylic acids enantiomers on a chiral adsorbent with grafted eremomycin antibiotic
T7.P8	Hiroimitsu Nakazawa, Japan	Electron and X-ray diffraction study on the intercellular lipid organization in human skin stratum corneum
T7.P9	Hüseyin Deligöz, Turkey	Investigation of drug loading and release behaviour of layer-by-layer polyelectrolyte blend films
T7.P10	Ildiko Toth, Hungary	Chondroitin-sulfate-A-coated magnetite nanoparticles in biocompatible magnetic fluids
T7.P11	Inna Levin, Israel	Development of particle characterization methods (Dynamic Image Analysis and Dynamic Light Scattering) for pharmaceutical products
T7.P12	Irena Maliszewska, Poland	Biogenic gold nanoparticles enhance methylene blue-induced phototoxic effect on Staphylococcus epidermidis
T7.P13	Ivan Minkov, Bulgaria	Equilibrium and dynamic osmotic behaviour of aqueous solutions at constant and varied volume
T7.P14	Kamil Wojciechowski, Poland	Gibbs layers of Quillaja bark saponin at water surface
T7.P15	Katarzyna Dopierala, Poland	Interaction of polyhedral oligomeric silsesquioxanes with model biological membranes
T7.P16	Kazuaki Furukawa, Japan	Protein aptasensor built on graphene oxide surface fixed on solid support: Basic mechanism study and on-chip device application
T7.P17	Ken-ichiro Suzuki, Japan	Novel fabrication method of biocompatible nanoparticles for theranostic applications
T7.P18	Kristina Mircheva, Bulgaria	Properties of β -carotene and retinoic acid in mixed monolayers with DPPC and Solutol
T7.P19	Kuanyshbek Mussabekov, Kazakhstan	Diffusion of anti-TB drug from calcium alginate hydrogels
T7.P20	Lene Jorgensen, Denmark	Polysorbate and the adsorption of monoclonal antibodies – a common strategy under evaluation
T7.P21	Lidia Alexandrova, Bulgaria	Wetting behavior of pulmonary surfactant aqueous solutions
T7.P22	Liliya Petrova, Bulgaria	Mechanism of cholesterol lowering by calcium, as studied in vitro
T7.P23	Lucrece Nicoud, Switzerland	Kinetic mechanism of monoclonal antibody aggregation

№	Author name	Title
T7.P24	Luigi Gentile, Italy	Novel formulations based on colloidal systems for transdermal drug delivery
T7.P25	Marta Owczarz, Switzerland	Self-assembling kinetics and mechanism of the amphiphilic peptide RADA 16-I
T7.P26	Martin Malmsten, Sweden	Importance of lipopolysaccharide aggregate disruption for the anti-endotoxic effects of host defense peptides
T7.P27	Martin Neubauer, Germany	Micromechanical characterization of hydrogel beads for single cell analysis
T7.P28	Maude Jimenez, France	Toward a better understanding of the interfacial growth mechanism of dairy fouling at a stainless steel surface: a multiscale approach
T7.P29	Monika Rojewska, Poland	The influence of simulated biological fluids on the wettability and composition of selected mucoadhesive polymers
T7.P30	Mustafa Ozmen, Turkey	Fabrication of functional artificial free-standing yeast biofilms
T7.P31	Paulina Zeliszewska, Poland	Tuning conformations and stability of fibrinogen monolayers on latex particles
T7.P32	Polina Prokopovich, UK	Curli expression genes influence on spatial distribution of forces of adhesion on the cell surfaces of <i>E. coli</i>
T7.P33	Roumen Todorov, Bulgaria	Evaluation of therapeutic pulmonary surfactant preparations by thin liquid films
T7.P34	Tzvetanka Ivanova, Bulgaria	Kinetics of reorganization of lipid nanocapsules at model membrane monolayers
T7.P35	Werner Kunz, Germany	Complex structures of "Sand" and "Chalk"
T7.P36	Xia Guo, China	Extraction of protein with reverse micelles formed by gemini surfactant
T7.P37	Yuki Daimon, Japan	Development of chitosan derivative carrier for insulin oral delivery
T7.P38	Zahari Vinarov, Bulgaria	Mechanism of cholesterol and saturated fatty acids lowering by Quillaja saponaria extract, studied by in-vitro digestion model
T7.P39	Christian Vassilieff, Bulgaria	Lung and tear surfactant films: a surface chemistry approach
T7.P40	Erzsebet Illes, Hungary	PEG/surfacted magnetite core-shell nanoparticles for biomedical application
T7.P41	Azahara Rata-Aguilar, Spain	An examination of the formation and stability of programmed biodegradable polyplexes
T7.P42	Robert Barker, France	General anaesthesia: membrane interaction & pressure reversal
T7.P43	Daniel Ruiz-Molina, Spain	Functional coordination polymer nanoparticles for theranostics applications
T7.P44	Reidar Lund, Norway	Structure of peptide-polymer conjugates in solution studied by small-angle X-ray scattering: polymer conformation

T2. Foams, Emulsions and Microemulsions		
№	Author name	Title
T2.P1	Andreas Hofmann, Germany	Continuous foam fractionation: Influence of operating parameters on bubble size distribution and separation efficiency
T2.P2	Andreas Klee, Germany	Self assembly in a magnetic room temperature ionic liquid (MRTIL)
T2.P3	Anna Schuch, Germany	Step-by-step investigation of droplet breakup and release of water by coalescence in W/O/W multiple emulsions
T2.P4	Anne Steudle, UK	Activity of the lipase <i>Candida Antarctica B</i> in bicontinuous microemulsions
T2.P5	Borislava Damyanova, Bulgaria	Foamability and foam stability at low surfactant concentrations
T2.P6	Cecile Noirjean, France	Solidified microemulsions
T2.P7	Dominika Zabiegaj, Italy	Interfacial properties of mixed carbon nanoparticles – surfactant suspensions and application on carbon based foams
T2.P8	James Hitchcock, UK	pH-responsive colloidosomes and their use for controlling release
T2.P9	Ferran Roig, Spain	Hyaluronan-based porous foams as drug delivery systems
T2.P10	Thibaut Gaillard, France	Rapid "droplling" devices for the generation of monodisperse emulsions with well-controlled interfacial properties
T2.P11	Hiroki Tanaka, Japan	Effect of phase transition in the adsorbet film thickness on foam film
T2.P12	Mitsutake Oshikiri, Japan	Electronic structure properties of the inhomogeneous system composed of a Ni doped YVO ₄ photo-catalyst in contact with water
T2.P13	Iwona Ziemecka, Belgium	Separation and concentration of hydrogen peroxide using microfluidics
T2.P14	Joung Sook Hong, South Korea	Stabilization of O/W Emulsion with Nanoclay
T2.P15	Laure Ridel, France	Pickering emulsions stabilized by nanoparticles of bare silica. Adsorption of nanoparticles and emulsion stability
T2.P16	Luis Perez-Mosqueda, Spain	Ostwald ripening inhibition of concentrated limonene emulsions
T2.P17	Michael Liverts, Israel	Mitigation of blast-waves by aqueous-foam barriers – implementation of the exploding wire technique
T2.P18	Abdelaziz Fanzar, France	Simulation of a droplet in gravity and non isothermal conditions
T2.P19	Miki Yoshimura, Japan	Effect of adsorbed film composition on foam film thickness in cationic - nonionic surfactant
T2.P20	Mireia Subinya, Germany	Dynamics and structure of the lipase <i>Candida Antarctica B</i> in bicontinuous microemulsions
T2.P21	Monika Kovadjieva, Bulgaria	Formation and stability of foams prepared by concentrated silica suspensions and amphoteric surfactant
T2.P22	Monzer Fanun, Palestine	Properties of water/sodium dodecyl sulphate/n-propanol/allylbenzene micellar systems
T2.P23	Nadya Politova, Bulgaria	Effect of cationic polymers on foam rheological properties
T2.P24	Neus Vilanova, Spain	Preparation of κ-carrageenan porous particles via multiple O/W/O emulsion templating for the delivery of food actives
T2.P25	Nikolay Panchev, Bulgaria	Molecular dynamics study of the structure and stability of toluene layers in water
T2.P26	Pavel Novak, Czech Republic	Physical factors influencing beer overfoaming

No	Author name	Title
T2.P27	Pavel Yazhgur, France	Aqueous foam generation: What determines the foam properties
T2.P28	Peter Thiesen, Germany	Imaging ellipsometry at the liquid/liquid interface
T2.P29	Pierre Bauduin, France	Carboxylate based surfactant for ion flotation: Salt and pH effects
T2.P30	Radka Petkova, Bulgaria	Role of polymer-surfactant interactions in foams
T2.P31	Reinhard Miller, Germany	Study of polyelectrolyte and oppositely charged surfactant mixture for stabilization of emulsion
T2.P32	Harry Gruppen, Netherlands	Protein concentration and protein exposed hydrophobicity as dominant parameters determining flocculation of protein-stabilized oil-in-water emulsions
T2.P33	Siân Jones, France	Foam flow behaviour through two parallel channels
T2.P34	Simeon D. Stoyanov, Netherlands	Impact of the surface rheology on the kinetics of Ostwald ripening of foams stabilized with saponins
T2.P35	Takahiro Yamazaki, Japan	Stabilization of w/o emulsions by hybrid amphiphilic polymers: Exploration of emulsion stability and its mechanism
T2.P36	Theo Blijdenstein, Netherlands	Effect of monoacylglycerides and polyglycerol esters of fatty acids on physical and sensory properties of aerated water-in-oil emulsions
T2.P37	Christine Bilke-Krause, Germany	Foamability, foam stability, and foam structure of various types of milk
T2.P38	Ulrike S. Schmidt, Germany	Stabilization of multiple emulsions using hydrocolloids and evaluation of their encapsulation efficiency by rheometry
T2.P39	Urszula Bazylińska, Poland	Characteristics of spontaneously formed biocompatible nanoemulsions stabilized by ionic dicephalic-type surfactants
T2.P40	Veronique Schmitt, France	Double emulsion for encapsulating B12 vitamin
T2.P41	Wiebke Drenckhan, France	Generation of crystalline polyurethane foams using Lab-on-a-Chip techniques
T2.P42	Yu Hagiwara, Japan	Double stimuli responsive O/W emulsions act as magnetic fluid and heat-induced gelator
T2.P43	Yukishige Kondo, Japan	Demulsification behavior of o/w emulsions using a photoresponsive cationic surfactant
T2.P44	Yves Chevalier, France	In situ monitoring of the droplet size distribution of o/w emulsion during the emulsification process
T2.P45	Yves Chevalier, France	Crystallization-in-emulsion process: in situ video monitoring of the evolution of droplet and particle size distributions
T2.P46	Zhulieta Popova, Bulgaria	Efficient control of the rheological and surface properties by using C8-C18 fatty acids as cosurfactants
T2.P47	Zlatina Mitrinova, Bulgaria	Surface and foam properties of SLES + CAPB + fatty acid mixtures: Effect of pH for C12-C16 acids
T4.P48	Nikolay Panchev, Bulgaria	Effect on nonionic surfactants on the emulsification and stability of emulsions
T8.P54	Kiyoshi Kanie, Japan	Liquid phase synthesis of highly crystalline transparent conductive oxide nanoparticles
T2.P48	Rong Guo, China	Construction of Janus structure by Janus emulsion
T2.P49	Emmanuelle Rio, France	How long does a soap film last during generation?

Tuesday, September 03 - Oral Sessions			
Morning Sessions (9:00 – 12:10)			
Main Hall			
Chair: Peter Kralchevsky			
9:00	PL2: Surfactant self-assembly at interfaces, induced by polyions JEFFERY PENFOLD, Oxford University and Rutherford-Appleton Laboratory, U.K.		
9:40	Coffee		
	Hall 1	Main Hall	Hall 2
	T8. MICRO- AND NANOSTRUCTURED MATERIALS <i>Chair: Brian Vincent</i>	T3. SURFACTANTS, LIPIDS AND SELF-ASSEMBLY <i>Chair: Colin Bain</i>	T6. POLYMERS, GELS AND PHASE BEHAVIOR <i>Chair: Veronique Schmitt</i>
10:00	KN2: Functional nanogels with specific binding domains <i>Andrij Pich, Germany</i>	KN2: Lipid structure, lateral order, and inter-membrane forces <i>Uri Raviv, Israel</i>	KN1: Stimuli responsive polymeric colloids and advanced materials <i>John Texter, USA</i>
10:30	Q1: Plasmonic supra-colloidal structures: From assembly principles to applications <i>Andreas Fery, Germany</i>	Q1: Control of size and stability of unilamellar vesicles by modification of the kinetic pathway by amphiphilic copolymer <i>Michael Gradzielski, Germany</i>	Q1: Poly(vinylamine) microgels: pH-responsive particles with high primary amine contents <i>Brian Saunders, UK</i>
10:50	Q2: Liquid-crystalline organic-inorganic hybrid dendrimer: photoluminescence behavior of self-organized CdS nano-core <i>Kiyoshi Kanie, Japan</i>	Q2: Phase transition from sponge phase to lamellar phase of aqueous solution of non-ionic surfactant induced by adding antagonistic salt <i>Hideki Seto, Japan</i>	Q2: Fine-tuning the structure of stimuli-responsive polymer films by temperature and hydrostatic pressure <i>Matthias Reinhardt, Germany</i>
11:10	Q3: Fractal dimension of DLCA clusters depends on size of primary particles <i>Hua Wu, Switzerland</i>	Q3: Aggregation behaviors of gemini cationic surfactants in a protic ionic liquid EAN <i>Xiao Chen, China</i>	Q3: Time-limitable hydrogels controlled by peptide self-assembly <i>Nobuyuki Higashi, Japan</i>
11:30	Q4: Influence of shape and reactants affinity on self-diffusiophoresis of catalytically active colloids <i>Mihail Popescu, Australia</i>	Q4: Self-organization of particles with heterogeneously charged surfaces under confinement <i>Gerhard Kahl, Austria</i>	Q4: Hydrogels with nanoparticle cross-linkers for magnetic sensing of chemical changes <i>Susanne van Berkum, Netherlands</i>
11:50	Q5: Hierarchically structured, double inverse composite opals <i>Markus Retsch, Germany</i>	Q5: Membrane wetting, budding and tube formation in vesicles enclosing two aqueous phases <i>Rumiana Dimova, Germany</i>	Q5: The role of vesicles in the gelling of dilute aqueous mixtures containing surfactant and fatty alcohol <i>Felix Grewe, Germany</i>
12:10	Lunch		

Tuesday, September 03 – Afternoon Sessions
(13:30 – 15:30)

	Hall 1	Main Hall	Hall 2	Hall 3
	T8. MICRO- AND NANOSTRUCTURED MATERIALS <i>Chair: Tsjetska Radeva</i>	T3. SURFACTANTS, LIPIDS AND SELF-ASSEMBLY <i>Chair: Uri Raviv</i>	T6. POLYMERS, GELS AND PHASE BEHAVIOR <i>Chair: John Texter</i>	C1. COST CM1101 WORKSHOP <i>Chair: Thomas Zemb</i>
13:30	<u>Q6</u> : Growth and heterogenous aggregation of calcium silicate hydrate: Insight from statistical mechanics <i>Christophe Labbez, France</i>	<u>Q6</u> : Controlled size and loading of block copolymer micelles for encapsulation <i>Jérôme Lebouille, Netherlands</i>	<u>Q6</u> : "Sideways" nanotechnology - enzymatic production of colloidal hierarchical materials <i>Ben Boyd, Australia</i>	<u>Q12</u> : Balance of enthalpy and entropy in depletion forces <i>Daniel Harries, Israel</i>
13:50	<u>Q7</u> : Molecular dynamics simulations of the spherical electrical double layer of a soft nanoparticle <i>Sergio Madurga, Spain</i>	<u>Q7</u> : Phospholipid bicelles to generate magnetically switchable material <i>Peter Fischer, Switzerland</i>	<u>Q7</u> : Influence of polymer weight and barrier layers on interdiffusion in polyelectrolyte multilayers <i>Christiane Helm, Germany</i>	<u>Q13</u> : Hydrophobicity of counterion in micellization process: dodecyltrimethylammonium chloride and alkyl-4-hydroxybenzoates <i>Marija Bešter-Rogač, Slovenia</i>
14:10	<u>Q8</u> : Understanding the formation of metal colloids <i>Jörg Polte, Germany</i>	<u>Q8</u> : Permeable shells acting as containers <i>Nina Elbers, Netherlands</i>	<u>Q8</u> : Electro-optics of polyelectrolyte multilayers on colloidal particles <i>Viktoria Milkova, Bulgaria</i>	<u>Q14</u> : Microemulsions with ionic liquids – interfacial tension and microstructure <i>Jan Christoph Thater, Germany</i>
14:30	<u>Q9</u> : Size control of gold nanorods by the interaction with surfactant molecules <i>Yoshiko Takenaka, Japan</i>	<u>Q9</u> : Dissociation dynamics of clusters of colloidal spheres <i>Johan Bergenholtz, Sweden</i>	<u>Q9</u> : Oppositely charged polyelectrolyte/surfactant mixtures: structural origin of changes in viscosity <i>Ingo Hoffmann, Germany</i>	<u>Q15</u> : Accounting for ion specificity through the Poisson-Helmholtz-Boltzmann model <i>Klemen Bohinc, Slovenia</i>
14:50	<u>Q10</u> : Optimized laboratory system for the investigation of colloidal systems <i>Peter Mario Worsch, Austria</i>	<u>Q10</u> : About the origin of "synergism" in ion selectivity in metal salt extraction by microemulsions <i>Sandrine Dourdain, France</i>	<u>Q10</u> : Aging dynamics and phase behaviour of a charged colloidal clay <i>Roberta Angelini, Italy</i>	<u>Q16</u> : Development and structural characterization of microemulsions for the encapsulation of natural pyrethrins <i>Vassiliki Papadimitriou, Greece</i>
15:10	<u>Q11</u> : From paper to electronic: How to convert pure cellulose into a working electrode <i>Cristina Giordano, Germany</i>	<u>Q11</u> : Carbon nanospheres and their interactions with lipid membranes <i>Arben Jusufi, USA</i>	<u>Q11</u> : Internal dynamics in ionic microgels in solution and in the adsorbed state <i>Stefan Wellert, Germany</i>	<u>Q17</u> : Targeted drug delivery systems based on polyelectrolyte nanocapsules <i>Krzysztof Szczepanowicz, Poland</i>
15:30	Coffee			

Tuesday, September 03 – Afternoon Sessions Continued
(15:50 – 18:10)

	T8. MICRO- AND NANOSTRUCTURED MATERIALS <i>Chair: Andrij Pich</i>	T3. SURFACTANTS, LIPIDS AND SELF-ASSEMBLY <i>Chair: Peter Fischer</i>	T6. POLYMERS, GELS AND PHASE BEHAVIOR <i>Chair: Ben Boyd</i>	C1. COST CM1101 WORKSHOP <i>Chair: Epameinondas Leontidis</i>
15:50	<u>Q12</u> : Stable capsules formed by polyelectrolyte coated liposomes <i>Ramón Rubio, Spain</i>	<u>Q12</u> : Nanopore formation and reconstruction of small unilamellar vesicles consisting of long- and short-chain phospholipids <i>Norifumi Yamada, Japan</i>	<u>Q12</u> : A many-body theory for colloid+ polymer dispersions <i>Jan Forsman, Sweden</i>	<u>Q18</u> : Green route for template removal from mesostructured titania <i>Jean-Luc Blin, France</i>
16:10	<u>Q13</u> : Controlling structure and surface properties of LbL multilayers <i>Piotr Batys, Poland</i>	<u>Q13</u> : A synchrotron radiation study on the structural evolution of weakly amphiphilic block copolymers monolayers at the air/water interface <i>Giovanni Li Destri, France</i>	<u>Q13</u> : Bulk and Interfacial microreology <i>Francisco Ortega, Spain</i>	<u>Q19</u> : Application of humidity-scanning QCM-D method for surfactant phase studies <i>Vitaly Kocherbitov, Sweden</i>
16:30	<u>Q14</u> : Polymer coatings containing nanosized selective sorbents for prevention radionuclides from spreading <i>Svetlana Bratskaya, Russia</i>	<u>Q14</u> : Collapse of lipid monolayers with phase coexistence <i>Svetlana Baoukina, Canada</i>	<u>Q14</u> : Chain exchange dynamics in n-alkane-PEO soft colloidal model systems <i>Lutz Willner, Germany</i>	<u>Q20</u> : Wood swelling with humidity: consequences of the force balance the equation of state of wood <i>Thomas Zemb, France</i>
16:50	<u>Q15</u> : Surface coatings of water-insoluble, but water-responsive, internally structured polymer-surfactant films <i>Charlotte Gustavsson, Sweden</i>	<u>Q15</u> : Adsorption of polyallylamine hydrochloride/sodium dodecylsulphate mixtures at water/tetradecane interface. Effect of adding of the salt <i>Reinhard Miller, Germany</i>	<u>Q15</u> : Osmotic pressure of polyacrylate salts solutions: simulations and experiments <i>Joaquim Li, Sweden</i>	<u>Q21</u> : Influence of β -lactoglobulin and its surfactant mixtures on the velocity of rising bubbles <i>Vamseekrishna Ulaganathan, Germany</i>
17:10	<u>Q16</u> : Polyelectrolyte brushes with charge gradient: a neutron reflectometry study <i>Ralf Köhler, Germany</i>	<u>Q16</u> : Surface freezing of binary mixtures of hydrocarbon and fluorocarbon compounds <i>Takanori Takiue, Japan</i>	<u>Q16</u> : Designing peptide-based biomaterials: structure and related properties <i>Laura Chronopoulou, Italy</i>	<u>Q22</u> : How different can two Quillaja bark saponins (QBS) be? <i>Kamil Wojciechowski, Poland</i>
17:30	<u>Q17</u> : Frictional behaviour of nanotextured surfaces: Challenging ancient Amontons' laws of friction <i>Benoit Quignon, UK</i>	<u>Q17</u> : Lyotropic lamellar phase made of monolayered θ -shaped amphiphiles <i>Pierre Bauduin, France</i>	<u>Q17</u> : Molecular modeling of ion atmosphere of colloidal systems <i>Hitoshi Washizu, Japan</i>	COST CM1101 MC Meeting <i>Chair: Piotr Warszynski</i>
17:50	<u>Q18</u> : Influence of type of surfactant on degradation and drug release rate from anhydride based nanoparticles <i>Shahla Bagheri Fam, Norway</i>	<u>Q18</u> : C3Ms as diffusional nanopores: Design and characterization <i>Nadia Bourouina, Netherlands</i>	<u>Q18</u> : Contact line dynamics during rapid de-wetting of dilute polymer solutions on hydrophobic surfaces <i>Volfango Bertola, UK</i>	

**Tuesday, September 03 - Poster Session II
(18:10-20:10)**

T3. Surfactants, Lipids and Self-Assembly

№	Author name	Title
T3.P1	Albena Jordanova, Bulgaria	Does poloxamer 188 improve the surface characteristics of inhibited by albumin exogenous surfactant preparations?
T3.P2	Alexander Shchekin, Russia	Different time scales in relaxation of spherical and cylindrical micelles according to the Becker-Döring kinetic equation
T3.P3	Anna Gyurova, Bulgaria	Self-assembly of three-antennary oligoglycines in aqueous media and at the solution/air interface
T3.P4	Christiane Helm, Germany	Polyelectrolytes adsorbed onto oppositely charged lipid monolayers – influence of electrostatic forces
T3.P5	Denitsa Mitkova, Bulgaria	Bending elasticity of lipid bilayers at low pH values of the surrounding aqueous solutions
T3.P6	Elena Drakalska, Bulgaria	Preparation and characterization of liposomal-pegylated calix[4]arenes nanoparticles as drug delivery systems for curcumin
T3.P7	Dimitrinka Arabadzhieva, Bulgaria	Surface rheology of adsorption layers and foam film drainage kinetics of aqueous solutions of hexadecyltrimethylammonium chloride
T3.P8	Dominik Gerstner, Germany	Nanoparticle agglomeration in a flow processing system
T3.P9	Elena Mileva, Bulgaria	Premicellar concept: Foam films drainage properties and adsorption layers
T3.P10	Elzbieta Sikora, Poland	Supercritical CO ₂ extract from strawberry seeds as a valuable component for mild washing composition
T3.P11	Filipe Lima, Brazil	Molecular dynamics simulations reproduce and explain the high affinity of triflate ion to the dodecyltrimethylammonium micellar interface
T3.P12	Maria Martina, Italy	Raft-like domains in phospholipid monolayers promote lysozyme aggregation and misfolding
T3.P13	Gergana Radulova, Bulgaria	Surface shear rheology of adsorption layers from the protein HFBII hydrophobin: Effect of added β -casein
T3.P14	Hans-Jörg Möegel, Germany	Computer simulation of self-assembly of rigid surfactant molecules in aqueous solution
T3.P15	Hiroki Matsubara, Japan	Morphological transformations in solid domains of alkanes on surfactant solutions
T3.P16	Hiroyuki Kitahata, Japan	Formation of a multiscale aggregate structure through spontaneous blebbing of an interface
T3.P17	Iglika Dimitrova, Bulgaria	Liquid expanded adsorbed layers of soluble surfactants
T3.P18	Irina Portnaya, Israel	Self-organization in mixed casein solutions
T3.P19	Ismail Aiad, Egypt	In situ and green synthesis of hexagonal silver nanoparticle using prepared capping agent
T3.P20	Izumi Oishi, Japan	Adsorbed films of conditioner components on damaged hair-surface model
T3.P21	Jaroslav Katona, Serbia	Rheological investigation on crystallization of an unhydrogenated vegetable fat dissolved in sunflower oil
T3.P22	Jean-Luc Blin, France	Solid lipid nanoparticles as novel template for hierarchical porous silica and hybrid drug loaded materials

№	Author name	Title
T3.P23	Jijo Vallooran, Switzerland	Stimuli-responsive lyotropic liquid crystal-nanoparticle hybrids
T3.P24	JongChoo Lim, Korea	Effect of adsorption behavior of anionic surfactants on the wetting property of CaCO ₃ substrate
T3.P25	JongChoo Lim, Korea	Effect of fatty acid structure on the vesicle membrane fluidity of liposomes
T3.P26	Kabir-ud-Din, India	Molecular interactions of cationic gemini surfactants (m-s-m) with an environmental friendly nonionic sugar-based surfactant (β -C ₁₂ G): Interfacial, micellar and aggregation behavior
T3.P27	Kazuaki Furukawa, Japan	Self-spreading behavior of lipid bilayer at the interface between solid and aqueous ionic liquid
T3.P28	Ken-ichi Iimura, Japan	Structure characterization and photocurrent response of adsorbed films of photosynthetic proteins from thermophilic purple sulfur bacterium <i>Tch. tepidum</i> .
T3.P29	Kohsaku Kawakami, Japan	Investigation of cholesterol transfer between unseparable vesicles
T3.P30	Konstantin Golemanov, Netherlands	Comparison of the surface rheology of saponins on air-water and oil-water interfaces
T3.P31	Konstantin Golemanov, Netherlands	Surface shear rheometry of saponins: measurement and modeling
T3.P32	Krystyna Prochaska, Poland	Investigation of properties of Langmuir monolayers at the air/water two-component systems of silsesquioxanes (POSS) and low molecular weight polyethylene glycol (PEG)
T3.P33	Leidi Friedrich, Brazil	Time-resolved fluorescence quenching studies of sodium lauryl ether sulfate micelles
T3.P34	Leonardo Chiappisi, Germany	Mixtures of biopolyelectrolytes and oppositely charged surfactants: How micelle curvature and charge density determine the structure of the complexes
T3.P35	Leonardo Chiappisi, Germany	An improved method for analyzing isothermal titration calorimetry data from surfactant polyelectrolyte mixtures
T3.P36	Luciano Galantini, Italy	Stimuli responsive derivative of cholic acid
T3.P37	Luigi Gentile, Italy	Ordered multilamellar vesicle phase under shear flow
T3.P38	Luis Pérez-Mosqueda, Spain	Interfacial characterization of pluronic F68 at the limonene-water interface
T3.P39	Lydia Dimitrova, Bulgaria	pH of solutions of long-chain (C16, C18) carboxylates and their interpretation in terms of precipitation and micellization
T3.P40	Manorama Panda, India	Micellization behavior of green cationic gemini surfactant with monomeric cationic surfactants
T3.P41	Marcin Broniatowski, Poland	Grazing incidence X-ray diffraction studies of Langmuir monolayers of lupane-type pentacyclic terpenes
T3.P42	Marcin Broniatowski, Poland	Interaction of pentacyclic lupane-type triterpenes with membrane sterols and lipid rafts
T3.P43	Marcin Broniatowski, Poland	Characteristics of lyso-phosphatidylcholines differing in chain length in monolayers at the air/water interface
T3.P44	Masahide Sawa, Japan	Aqueous phase behavior of sodium N-acylglutamates
T3.P45	Masahiko Abe, Japan	Syntheses and aqueous properties of some anionic gemini: Surfactants derived from oleic acid
T3.P46	Michael Sztucki, France	Synchrotron X-ray Scattering techniques for soft matter industrial R&D

N _o	Author name	Title
T3.P47	Nagma Parveen, Germany	Swelling of polyelectrolyte multilayers with ionic liquid
T3.P48	Naz Zeynep Atay, Turkey	Liposomes for complexing DNA in gene delivery
T3.P49	Nikolai Makarevich, Belarus	The equations of the adsorption activity and differential isosteric heat of adsorption
T3.P50	Noritaka Kato, Japan	Relationship between reconstituted vesicle size and the transmembrane protein to lipid ratio
T3.P51	Noritaka Kato, Japan	Control of helical peptide orientation in the Langmuir-Blodgett monolayers
T3.P52	Olena Fomina, Ukraine	Thermodynamics and structure of nonionic surfactant monolayers at the air/water interface. Quantum chemical approach
T3.P53	Olga Milyaeva, Russia	Dynamic surface properties of mixed protein-polyelectrolyte solutions
T3.P54	Osamu Shibata, Japan	Micellar behavior of gemini surfactants of bis(tetradecyldimethylammonium)hexane and bis(tetradecyldimethylammonium) decane
T3.P55	Pierre Bauduin, France	Double chained amphiphilic polyoxometalate: self-aggregation in water
T3.P56	Pierre Bauduin, France	A theta-shaped amphiphilic cobaltabisdicarbollide anion – A surprising self-assembly in water
T3.P57	Pilar Garate, Chile	Study of adsorption behavior of alcohols ethoxylates (C ₁₂ EO) at the water/dibutoxymethane (DBM) interface. Formation of aggregates in the organic solvent
T3.P58	Rakesh Mahajan, India	Micellar and interfacial studies of surface active ionic liquid in cationic surfactants
T3.P59	Radoslav Marinov, Bulgaria	Influence of cholesterol on the elastic properties of lipid membranes
T3.P60	Aldona Rajewska, Russia	Surfactants type C ₁₂ E ₁ investigated by SANS method
T3.P61	Ryugo Tero, Japan	Artificial lipid membranes on graphene oxide and the effect of the reduction degree of GO
T3.P62	Sahar Noori, India	Synthesis and investigation of surface active properties of counterion coupled gemini surfactants
T3.P63	Satoru Hashimoto, Japan	Discovery of the unique solution behavior of hydrophilic and lipophilic polyglycerol fatty acid esters generated by the strong lipophobicity of polyglycerols
T3.P64	Seiichi Sakamoto, Japan	Solubilization capacity of a gemini surfactant of bis(tetradecyldimethylammonium)decane
T3.P65	Sophia Kiryakova, Bulgaria	Influence of cobalt ferrite nanoparticles on the bending elasticity and fluidity of lipid membranes
T3.P66	Stefania Baldursdottir, Denmark	Influencing the BSA adsorption to oil-water interface by the use of pH dependent polymer surfactants
T3.P67	Takeshi Misono, Japan	Surface adsorption properties and liquid crystal formation of nonionic surfactants in ionic liquids mixture
T3.P68	Thodoris Karapantsios, Greece	Effect of the different amino acid hydrophilic head in the adsorption behavior of eco-friendly glycerol ether surfactants at the w/a interface
T3.P69	Tomoaki Okano, Japan	Aqueous phase behavior of oleic acid-based gemini surfactants with alanine-type chiral headgroups
T3.P70	Soichi Kamiwatary, Japan	Preparation of water-toluene nanoemulsion stabilized by β-sheet network of amphiphilic peptide-blockpolymer

N _o	Author name	Title
T3.P71	Toshiyuki Suzuki, Japan	Phase properties and emulsification abilities of long-chain monoalkyl phosphates
T3.P72	Tsvetan Zahariev, Bulgaria	Molecular dynamics simulations for alkane oils characterization
T3.P73	Nihal Aydogan, Turkey	Effects of nanoparticles on interfacial behaviour of natural pulmonary surfactant
T3.P74	Victoria Dutschk, Netherlands	Correlative relationships between some spreading parameters and properties of surfactants and surfaces: Spreading of water droplets containing alkyl ether surfactants
T3.P75	Victoria Vitkova, Bulgaria	Lyso- and ω3-containing phosphatidylcholines affect the elastic properties of lipid membranes
T3.P76	Virginia Mazzini, Australia	Rheology of self-assembled systems derived from vitamin C
T3.P77	Wolfgang Fieber, Switzerland	The effect of fragrances on the viscoelastic properties of anionic wormlike micelles
T3.P78	Yoshiteru Hayami, Japan	Surface freezing in surfactant/alkane/water systems
T3.P79	Yosuke Imai, Japan	Miscibility and distribution of binary counterions of different valences in surfactant adsorbed films
T3.P80	Yuhei Tokiwa, Japan	Effect of condensed film formation at alkane mixture/aqueous solution interface on its composition and emulsion stability
T3.P81	Yuji Yamashita, Japan	Evaluation of surfactant potency by TLC: Alternative indexation to HLB number
T3.P82	Yuki Nakamura, Japan	Clustering of charged colloidal particles in the coexistence of ionic surfactants
T3.P83	Yukishige Kondo, Japan	Spontaneous chiral segregation of a hybrid surfactant upon aqueous micelle formation
T3.P84	Yukishige Kondo, Japan	Light control over the morphologies of aggregates containing a photoresponsive amphiphilic compound
T3.P85	Lucio Isa, Switzerland	Studying complex nanoparticle self-assembly at liquid interfaces using pendant drop tensiometry, micro-rheology and fluorescence correlation spectroscopy
T3.P86	Gregory Smith, United Kingdom	Surfactant induced charging of PMMA in nonpolar solvents
T3.P87	Robert Barker, France	The influence of salt on zwitterionic lipid bilayers
T3.P88	Richard Campbell, France	Interfacial mechanisms in complex biosystems
T3.P89	Federica Sebastiani, France	Oxidation of organic surfactant at the air-water interface
T3.P90	Shirin Alexander, United Kingdom	Development of novel hydrocarbon low surface energy materials (LSEMs)
T3.P91	Bo Nyström, Norway	Novel structural changes during temperature-induced self-assembling and gelation in aqueous solutions of the copolymer PLGA ₁₁₇₀ -PEG _n -PLGA ₁₁₇₀

T6. Polymers, Gels and Phase Behaviour		
N ^o	Author name	Title
T6.P1	Aneta Michna, Poland	Characterization of PDADMAC monolayers on mica by streaming potential measurements
T6.P2	Ben Boyd, Australia	Non-equilibrium structure formation in real time at surfactant-polymer interfaces
T6.P3	Burcu Altin, Germany	Synthesis and characterization of polymer grafted silica nanoparticles
T6.P4	Christiane Helm, Germany	CD-spectroscopic assessment of potential antigenicity induced by negatively charged drugs
T6.P5	Elena Mileva, Bulgaria	Polymeric nanoparticles from thermo-sensitive PNIPAM-g-PEO copolymer: effect of solvent composition and added drug
T6.P6	Elena Mileva, Bulgaria	Viscoelastic properties of hydrophobically modified polyacrylates in thin liquid films and bulk solution
T6.P7	Maria Sanchez, Spain	The role of the porphyrin ring in the fluorescence quenching of conjugated polymers by proteins
T6.P8	Fangfang Chu, Germany	Phase behaviour of anisotropic shaped colloids
T6.P9	Maria Raffaella Martina, Italy	Thermoresponsive polymeric micelles as efficient tool for controlled drug delivery
T6.P10	George Georgiev, Bulgaria	Foamability of the amphiphile copolyelectrolytes and stability of the foams produced from them without conventional surfactants
T6.P11	Hiroyuki Takeno, Japan	Structural studies of low-molecular weight organogels investigated by synchrotron small-angle X-Ray scattering
T6.P12	Hristina Gruncharova, Bulgaria	Dynamic swelling and thermal properties of polysulfobetaines hydrogels
T6.P13	Hua Wu, Switzerland	Kinetics of colloidal gelation and scaling behavior at the gelation point
T6.P14	Ioanna Zampakidi, Greece	Lipase immobilized at the interface of microemulsion-based organogels for the epoxidation of fatty acids
T6.P15	Jeanette Ulama, Sweden	Synthesis and characterization of core-shell particles with low refractive index
T6.P16	Leslie Rolland, France	Mechanical features of alginate hydrogel designed as a thin membrane
T6.P17	Lucie Grebikova, Switzerland	Probing the adsorption of dendronized polymers on different surfaces at single molecule level
T6.P18	Marius Rutkevicius, UK	Hydrogel templating technique to fabricate lightweight meso-porous composites
T6.P19	Martin Turesson, France	Calcium mediated polyelectrolyte adsorption on like-charged surfaces: stabilization effects in nanoplatelet suspensions
T6.P20	Matija Tomsic, Slovenia	Structural investigation of aqueous systems of nonionic polysaccharide Levan by SAXS, SLS and DLS
T6.P21	Nikola Alexandrov, Bulgaria	Interfacial layers from the protein HFBII hydrophobin: Dynamic surface tension, dilatational elasticity and relaxation times
T6.P22	Qaisar Abbas Bhatti, Pakistan	Effect of different parameters over the dispersion stability of silica

N ^o	Author name	Title
T6.P23	Ramon Pons, Spain	The synergism between hydrophobically modified inulin and cationic surfactant
T6.P24	Sophia Jordens, Switzerland	Non-equilibrium nature of two-dimensional isotropic and nematic coexistence in amyloid fibrils at liquid interfaces
T6.P25	Tomasz Staszewski, Poland	A density functional study of end-grafted chain layers: Temperature effects
T6.P26	Wojtek Rzyso, Poland	Adsorption of short block copolymers on solid surfaces. A Monte Carlo study
T6.P27	Yaodong Wu, Germany	Behaviour of thermo-sensitive copolymer microgels at the oil/water interface
T6.P28	Johannes Frueh, China	Effect of PEM coated PDMS on freshwater biofouling
T6.P29	Jiří Spěváček, Czech Republic	Temperature-induced phase transition in aqueous polymer solutions and gels studied by NMR and other methods
T6.P30	Victor Rodin, United Kingdom	Translational dynamics of molecules in synthetic and natural polymers as studied by NMR
T6.P31	Stephen Abbott, United Kingdom	Surface charge effects on the hydration of polyelectrolyte multilayers under confinement
T6.P32	Richard Campbell, France	New surface tension prediction of complex mixtures
T6.P33	Reidar Lund, Norway	Non-equilibrium morphological transition kinetics in block copolymer micelles observed by millisecond time-resolved SAS
T6.P34	Davide Calzolari, Switzerland	Cononsolvency of PNIPAM at the transition between solvation mechanisms
T6.P35	Corinne Vebert-Nardin, Switzerland	DNA hybrids structure formation

C1. COST CM1101 Workshop		
No	Author name	Title
C1.P1	Aiva Plotniece, Latvia	Studies of formation and characterisation of liposomes formed by cationic 1,4-dihydropyridine amphiphile in various medias
C1.P2	Antonia Kaisheva, Bulgaria	Method for removal of semiconductor nanoparticles from contaminated waters
C1.P3	Aristotelis Xenakis, Greece	Formulation of food grade microemulsions for encapsulation of bacteriocins
C1.P4	Bocho Bochev, Bulgaria	Fast one-pot synthesis of ZnS nanoparticles in aqueous medium and their physicochemical characterization
C1.P5	Christophe Hamlett, UK	Effect of measurement cylinder wettability on foam stability
C1.P6	Davor Kovacevic, Croatia	Interactions between poly(L-lysine) and poly(L-glutamic acid) in solution and at interfaces
C1.P7	Evrin Sever, Turkey	Synthesis, characterization and electrokinetic properties of poly(3-octylthiophene)/cuboid-TiO ₂ hybrid nanostructure
C1.P8	Georgi Yordanov, Bulgaria	Epirubicin loaded to pre-polymerized poly(butyl cyanoacrylate) nanoparticles: Preparation and in vitro evaluation in human lung adenocarcinoma cells
C1.P9	Georgy Nikolov, Bulgaria	Deposition of metal nanoparticles on solid/liquid interfaces
C1.P10	Gergana Georgieva, Bulgaria	Resonance growth of giant disclike micelles in mixed surfactant solutions triggered by the addition of fatty acids
C1.P11	Gospodinka Gicheva, Bulgaria	Removal of citrate-coated silver nanoparticles from aqueous dispersions using activated carbon
C1.P12	Hristina Petkova, Bulgaria	Stability of foam and emulsion (oil/water/oil) films from INUTEC®SP1 and polyoxyalkylated diethylenetriamine polymeric surfactants solution mixtures
C1.P13	Igor Kuchin, UK	Foam drainage on a porous substrate: direct numerical simulations
C1.P14	Inna Dewald, Germany	Functional coatings from stimuli-responsive polymeric micelles
C1.P15	Jaroslav Katona, Serbia	Influence of ionic strength on shear-thickening properties of hydroxypropylmethyl cellulose/ sodium dodecyl sulfate mixtures
C1.P16	Jaroslav Katrlík, Slovakia	Measurement of interaction of colloidal drug carriers based on polymeric nanoparticles with human plasma proteins by surface plasmon resonance
C1.P17	Jitka Krouska, Czech Republic	Influence of hyaluronan on surfactant micellization in saline solutions at different temperatures studied by isothermal titration calorimetry
C1.P18	Jolanta Liesiene, Italy	Coating of macroporous silica with hydrophobically modified hydroxyethylcellulose
C1.P19	Jürgen Krügel, Germany	Single drop oscillation experiments under gravity and short term microgravity conditions
C1.P20	Katarzyna Kilan, Poland	Effect of crosslinking by calcium ions on the buildup and permeability of alginate containing multilayer films
C1.P21	Katarzyna Kilan, Poland	Fourier transform infrared spectroscopy analysis of casein embedded into multilayer films
C1.P22	Kazimiera Wilk, Poland	Engineering of phosphatidylcholine – based solid lipid nanocarriers for flavonoid cocrystals delivery
C1.P23	Luigi Cristofolini, Italy	Free diffusion, and stress dominated spontaneous fluctuations characterized by XPCS in DPPC monolayers with nanoparticles

No	Author name	Title
C1.P24	Magali Boutonnet, Sweden	Nanostructured Cu _x Ce _{1-x} O _{2-y} and Zn _x Ce _{1-x} O _{2-y} materials as catalysts for the water gas shift reaction
C1.P25	Magdalena Ocwieja, Poland	Kinetics of silver nanoparticle release from monolayers – influence of size, ionic strength, pH and temperature
C1.P26	Maria Hatzidaki, Greece	Nanodispersions as micronutrient carriers
C1.P27	Maria Morga, Poland	Streaming potential studies of α-Fe ₂ O ₃ /Ag bilayers on mica
C1.P28	Maria Morga, Poland	Electrokinetic studies of cationic polyelectrolyte monolayers on mica
C1.P29	Mariana Boneva, Bulgaria	Coexistence of micelles and crystallites in solutions of potassium myristate: Soft matter vs. solid matter
C1.P30	Milena Petkova, Bulgaria	Cytotoxic and anti-proliferative effect of poly(butyl cyanoacrylate) nanoparticles on normal and tumor cells in vitro
C1.P31	Miloslav Pekař, Czech Republic	Effect of CTAB and CTAB in combination with hyaluronan on human cells
C1.P32	Mirjana Comor, Serbia	One –pot synthesis of colloidal AgInS ₂ nanoparticles
C1.P33	Nikolay Panchev, Bulgaria	Electro-microinterferometric studies of water-in-oil emulsion films
C1.P34	Ozlem Erol, Turkey	Preparation and colloidal properties of covalently bonded poly(3,4-ethylenedioxythiophene)/ nanorod-TiO ₂ nanocomposite of a core/shell morphology
C1.P35	Piotr Warszynski, Poland	Surface properties of esterquat and diesterquat surfactants – Effect of molecular structure and hydrolysis
C1.P36	Ralica Skrobanska, Bulgaria	Delivery of epirubicin via poly(butyl cyanoacrylate) nanoparticles into cancer cell by endocytosis
C1.P37	Ramon Rubio, Spain	Field-induced sublimation in 2D colloidal crystallites
C1.P38	Seyda Cabuk, Turkey	Synthesis and characterization of polypyrrole/spherical-TiO ₂ core/shell hybrid nanocomposite
C1.P39	Stefan Stoyanov, Bulgaria	Adsorption layer properties of aqueous solutions of biantennary oligoglycines
C1.P40	Svetoslav Anachkov, Bulgaria	Growth of giant disclike micelles in ternary mixed surfactant solutions: Theoretical model vs. experimental data
C1.P41	Vesselin Paunov, UK	Triggered release of cells from composite microcapsules
C1.P42	Viktoria Milkova, Bulgaria	Effect of ionic strength and molecular weight on electrical properties and thickness of polyelectrolyte bi-layers
T5.P20	Mehmet Cabuk, Turkey	Electrokinetic properties of biodegradable conducting polyaniline-graft-chitosan copolymer in aqueous and non-aqueous media
C1.P43	Daniel Ruiz-Molina, Spain	Smart biocolloids and interfaces via direct reaction of catechols
C1.P44	Miglena Angelova, France	Local pH gradients promote raft-like domains polarization in GM1-containing giant vesicles

Wednesday, September 04 – Oral Sessions			
Morning Sessions (9:00 – 12:10)			
Main Hall			
Chair: Johannes Lyklema			
9:00	PL3: Charged rod-like colloids in electric fields: Field-induced phases, dynamical states and non-equilibrium critical phenomena JAN K.G. DHONT, Forschungszentrum Juelich, Germany		
9:40	Coffee		
	Hall 1	Main Hall	Hall 2
	T5. COMPLEX FLUIDS AND ENVIRONMENTAL COLLOID CHEMISTRY Chair: Paul Luckham	T4. INTERFACIAL ELECTRIC PHENOMENA Chair: Jan Dhont	C2. COST CM1101 & MP1106 WORKSHOP Chair: Vitaly Kocherbitov
10:00	<u>KN1</u> : Novel analysis methods for the nonlinear dilatational rheology of complex fluid-fluid interfaces <i>Leonard Sagis, Netherlands</i>	<u>KN1</u> : Interfacial electric phenomena of soft particles <i>Hiroyuki Ohshima, Japan</i>	<u>KN1</u> : Influence of the particle size on pickering emulsions stabilized by soft and thermoresponsive microgels <i>Véronique Schmitt, France</i>
10:30	<u>O1</u> : Janus particles in confined geometries: density functional theory and Monte Carlo simulations <i>Stefan Sokolowski, Poland</i>	<u>O1</u> : Charge partition at the solid-gas interface: the role of water adsorption <i>Fernando Galembeck, Brazil</i>	<u>O1</u> : Aculyn™ 22 and Aculyn™ 33 polymeric surface and bulk rheology and foaming properties <i>Anna Trybala, UK</i>
10:50	<u>Q2</u> : Theoretical analysis on the orientational characteristics and rheological properties of a rod-like hematite particle suspension in a simple shear flow <i>Akira Satoh, Japan</i>	<u>Q2</u> : Binary colloidal alloys at liquid interfaces <i>Tommy Horozov, UK</i>	<u>Q2</u> : Foam films from polyoxyalkylated diethylenetriamine polymeric surfactant solutions: effect of pH <i>Hristina Petkova, Bulgaria</i>
11:10	<u>Q3</u> : Driving mechanisms leading to the dry-out of nanofluids droplets <i>David Brutin, France</i>	<u>Q3</u> : Background-subtraction in electroacoustic studies of multi-component dispersions <i>Marek Kosmulski, Poland</i>	<u>Q3</u> : Migration of flexible fibers in poiseuille flow <i>Maria Ekiel-Jezewska, Poland</i>
11:30	<u>Q4</u> : The short time dynamic signature of the liquid-crystal-glass transition in charged spherical colloidal suspension <i>Peter Holmqvist, Germany</i>	<u>Q4</u> : Supercapacitors have an asymmetric electrode potential and charge due to nonelectrostatic electrolyte interactions <i>Drew Parsons, Australia</i>	<u>Q4</u> : Kinetics of evaporation of droplets: pure liquids, surfactant solutions, nanofluids <i>Victor Starov, UK</i>
11:50	<u>Q5</u> : Determination of the hydrodynamic friction matrix for various anisotropic particles <i>Daniela Kraft, Netherlands</i>	<u>Q5</u> : Measuring the electrophoretic retardation force of nonpolar colloids <i>Filip Strubbe, Belgium</i>	<u>Q5</u> : Novel method for synthesis and application of silver nanoparticles on wool <i>Victoria Dutschk, Netherlands</i>
12:10	ECIS General Assembly Chair: Reinhard Miller		
13:00	Lunch		
14:00	Leisure Time and Excursions		
19:30	Conference Dinner		

Thursday, September 05 - Oral Sessions			
Morning Sessions (9:00 – 12:10)			
Main Hall			
Chair: Reinhard Miller			
9:00	PL4: Biomolecular interactions at the lipid-aqueous interface TOMMY NYLANDER, Physical Chemistry, Lund University, Sweden		
9:40	Coffee		
	Hall 1	Main Hall	Hall 2
	T8. MICRO AND NANOSTRUCTURED MATERIALS Chair: Jeffrey Penfold	T3. SURFACTANTS, LIPIDS AND SELF-ASSEMBLY Chair: Dganit Danino	C3. COST MP1106 WORKSHOP: DROPLETS, BUBBLES AND FOAMS Chair: Thodoris Karapantsios
10:00	<u>KN1</u> : Soft materials for tunable nanophotonics <i>Antonio Fernandez-Barbero, Spain</i>	<u>KN1</u> : The phase separation model of micellization generalized for ionic surfactants and ionic-nonionic surfactant mixtures <i>Peter Kralchevsky, Bulgaria</i>	<u>KN1</u> : Physico-chemical control of foam properties <i>Nikolai Denkov, Bulgaria</i>
10:30	<u>O19</u> : Studies on DNA-cationic surfactant structures <i>Ramon Pons, Spain</i>	<u>O19</u> : Surface-mediated fibril formation of modular protein polymers <i>Mieke Kleijn, Netherlands</i>	<u>O1</u> : From unstable water-in-oil emulsion to stable oil-in-water emulsion via phase inversion <i>Antonio Perazzo, Italy</i>
10:50	<u>Q20</u> : Preparation of microbial recognition polymer beads via pickering emulsion polymerization <i>Lei Ye, Sweden</i>	<u>Q20</u> : Chitosan-DNA complexes: charge inversion and DNA condensation <i>Simona Sennato, Italy</i>	<u>Q2</u> : Dispersal of nano-droplets in the bulk by bursting bubbles at a liquid-liquid interface <i>Luben Arnaudov, Netherlands</i>
11:10	<u>Q21</u> : Mesoporous silica as host for enzymes <i>Krister Holmberg, Sweden</i>	<u>Q21</u> : Quiescent bilayers at the mica-water interface <i>Wuge Briscoe, UK</i>	<u>Q3</u> : "Immortal bubbles" – effect of interface vibrations on bubble coalescence time at pure water surface <i>Kazimierz Malysa, Poland</i>
11:30	<u>Q22</u> : Filtration of aqueous suspension through porous medium <i>Anatoly Filippov, Russia</i>	<u>Q22</u> : Study of closed-cage silsesquioxane in pure and mixed Langmuir monolayers <i>Katarzyna Dopierala, Poland</i>	<u>Q4</u> : On interaction of small bubble and large particle <i>Pavlna Basařová, Czech Republic</i>
11:50	<u>Q23</u> : Distribution of permeation rates through nanopores <i>Sara Marleen Hellenkamp, Germany</i>	<u>Q23</u> : Controllable self-assembly and functionalization of hybrid supramolecular reverse micelles as building units <i>Lixin Wu, China</i>	<u>Q5</u> : Numerical modeling of the evolution of spike and bubble in Rayleigh-Taylor instability subjected to the applied electric field <i>Mehmet Yildiz, Turkey</i>
12:10		<u>Q24</u> : Determination of layer-by-layer blend film formation and drug uptake properties using QCM-D technique <i>Hüseyin Deligöz, Turkey</i>	
12:30	Lunch		

Thursday, September 05 - Afternoon Sessions (13:30 – 15:30)				
	Hall 1	Main Hall	Hall 2	Hall 3
	T8. MICRO- AND NANOSTRUCTURED MATERIALS <i>Chair: Krister Holmberg</i>	T1. SURFACE FORCES AND THIN LIQUID FILMS <i>Chair: Bart Follink</i>	T2. FOAMS, EMULSIONS AND MICROEMULSIONS <i>Chair: Wiebke Drenckhan</i>	C3. COST MP1106 WORKSHOP: BIOMEDICAL APPLICATIONS <i>Chair: Nikolai Denkov</i>
13:30	<u>Q24</u> : How superhydrophobicity breaks down <i>Periklis Papadopoulos, Germany</i>	<u>Q17</u> : Interfacial water studied by surface forces measurement <i>Kazue Kurihara, Japan</i>	<u>Q6</u> : Micelle-like aggregates in surfactant-free ternary mixtures <i>Dominik Horinek, Germany</i>	<u>Q6</u> : Effect of hydrophilic silica nanoparticles on the interfacial properties of a ternary lipids mixture <i>Libero Liggieri, Italy</i>
13:50	<u>Q25</u> : Liquid crystal-based emulsions for synthesis of spherical and non-spherical particles with chemical patches <i>Nicholas Abbott, USA</i>	<u>Q18</u> : Surface forces in the theory of deliquescence transition at nucleation of a solvent vapor on soluble nanoparticles <i>Alexander Shchekin, Russia</i>	<u>Q7</u> : Structural dependency and release profiles of drug cosolubilized with dendrimers in Q^{β} lyotropic liquid crystals <i>Nissim Garti, Israel</i>	<u>Q7</u> : Adsorption kinetics of proteins and protein/surfactant complexes at the gas – liquid interface <i>Boris Noskov, Russia</i>
14:10	<u>Q26</u> : High resolution liquid desorption in drying of aqueous suspensions <i>Renaud Denoyel, France</i>	<u>Q19</u> : Structure and dynamics of confined supercritical CO_2 <i>Manfred Heuberger, Switzerland</i>	<u>Q8</u> : Determining antioxidant distributions between oil, water, and interfacial regions of emulsions: generalization of pseudophase kinetic models <i>Laurence Romsted, USA</i>	<u>Q8</u> : Lipopolysaccharides from Escherichia coli EH100 could be captured by nanoplateforms of four-antennary oligoglycines in aqueous media <i>Anna Gyurova, Bulgaria</i>
14:30	<u>Q27</u> : "Boat"-like silica supraparticles by ionic strength shape control of evaporating droplets <i>Marcel Sperling, Germany</i>	<u>Q20</u> : Bubble bouncing and stability of liquid films formed under dynamic and static conditions from n-octanol solutions <i>Dominik Kosior, Poland</i>	<u>Q9</u> : Connecting fundamental phenomena and the characteristics of emulsions produced by microfluidics <i>Claire Berton-Carabin, Netherlands</i>	<u>Q9</u> : Microfluidic controlled assembly of micellar nanocontainers for drug delivery <i>Claudio Nastruzzi, Italy</i>
14:50	<u>Q28</u> : Exothermic pre-ouzo to ouzo transition: consequences on fragrance evaporation <i>Vera Tchakalova, Switzerland</i>	<u>Q21</u> : Film hydrodynamic boundary conditions on bubble-surface impact <i>Derek Chan, Australia</i>	<u>Q10</u> : Water in oil emulsions either regularly cooled or stored at sub ambient temperatures. Determination of the amount of ice formed <i>Daniele Clausse, France</i>	<u>Q10</u> : Stability measurements of Polidocanol foams in view of their use in sclerotherapy <i>Viorel Nastasa, Romania</i>
15:10	<u>Q29</u> : Colloid-electrospinning for multicompartement materials <i>Daniel Crespy, Germany</i>	<u>Q22</u> : Experimental and numerical study of capillary transport between parallel perforated plates in microgravity <i>Diana Gaulke, Germany</i>	<u>Q11</u> : Monitoring the coalescence during nanoparticle preparation by fluorescence cross-correlation spectroscopy <i>Kaloian Koynov, Germany</i>	<u>Q11</u> : Nanocolloids of indomethacin prepared using sonication and encapsulation with polysaccharide films <i>Kamelia Kamburova, Bulgaria</i>
15:30	Coffee			

Thursday, September 05 - Afternoon Sessions Continued (15:50 – 18:10)				
	T5. COMPLEX FLUIDS AND ENVIRONMENTAL COLLOID CHEMISTRY <i>Chair: Angel Delgado</i>	T1. SURFACE FORCES AND THIN LIQUID FILMS <i>Chair: Kazue Kurihara</i>	T2. FOAMS, EMULSIONS AND MICROEMULSIONS <i>Chair: Laurence Romsted</i>	C3. COST MP1106 WORKSHOP: GREEN CHEMISTRY AND SMART COLLOIDS <i>Chair: Libero Liggieri</i>
15:50	<u>Q6</u> : Fluorescence correlation spectroscopy of repulsive systems: theory, simulation and experiments <i>Jiang Zhao, China</i>	<u>Q23</u> : Adhesive behavior of extracted latex polymers towards silicon oxide and cellulose <i>Torbjörn Pettersson, Sweden</i>	<u>Q12</u> : Droplet-surface interactions in the absence and presence of adsorbed polymer layers <i>David Beattie, Australia</i>	<u>Q12</u> : Solvent-free synthesis of microparticles on superamphiphobic surfaces <i>Doris Vollmer, Germany</i>
16:10	<u>Q7</u> : The effects of aggregation and protein corona on the cellular internalization of oxide nanoparticles <i>Jean-Francois Berret, France</i>	<u>Q24</u> : A new method for electro-microinterferometric studies of water-in-oil emulsion films: development and application with natural and synthetic surfactants <i>Nikolay Panchev, Bulgaria</i>	<u>Q13</u> : Adsorption layers and foam films from β -lactoglobulin <i>Georgi Gochev, Bulgaria</i>	<u>Q13</u> : Dynamic surface tensions of bubbles & surface dilatational viscoelasticity measurements of drops of low emission environmentally-friendly interior paints <i>Christos Koukiotis, Greece</i>
16:30	<u>Q8</u> : Total internal reflection Raman spectroscopy of the solid-liquid interface <i>Colin Bain, UK</i>	<u>Q25</u> : Interfacial shear rheology and thin liquid film study of water-in-crude oil emulsions <i>Plamen Tchoukov, Canada</i>	<u>Q14</u> : On the elasticity of liquid marbles <i>Rossen Sedev, Australia</i>	<u>Q14</u> : Methods for characterization of fluid and non-fluid HFBII adsorption layers <i>Krastanka Marinova, Bulgaria</i>
16:50	<u>Q9</u> : On some experimentally established features of the osmotic kinetics and their interpretation <i>Boryan Radoev, Bulgaria</i>	<u>Q26</u> : Two-component miscibility of partially fluorinated alcohols (F6HmOH) and DPPC at the air-water interface <i>Osamu Shibata, Japan</i>	<u>Q15</u> : Protein microgels stabilize water-in-water emulsions by absorbing at the interface <i>Taco Nicolai, France</i>	<u>Q15</u> : Preparation and characterisation of environmentally biodegradable lignin nanoparticles <i>Marius Rutkevicius, UK</i>
17:10	<u>Q10</u> : Colloid aggregation and water purification - using flocculants from seeds of moringa trees <i>Adrian Rennie, Sweden</i>	<u>Q27</u> : Destabilisation of gas condensate-water emulsions and separation by dissolved air flotation using new non ionic surfactants <i>M.R. Noor El-Din, Egypt</i>	<u>Q16</u> : Numerical simulation of bubble dissolution and Ostwald ripening in paint films <i>Tatiana Gambaryan-Roisman, Germany</i>	<u>Q16</u> : The flow of particles through porous media: preserving timber with colloid science <i>Stephen Uphill, UK</i>
17:30	<u>Q11</u> : The rheology of shake gels <i>Paul Luckham, UK</i>	<u>Q28</u> : Is CMC of surfactant mixtures an ill-defined parameter? <i>Grace Cookey, UK</i>	<u>Q17</u> : Particle stabilized foams – a journey through length scales <i>Adrian Carl, Germany</i>	ROUND TABLE: "TOWARDS HORIZON 2020: SMART & GREEN INTERFACES APPLICATIONS" <i>Chairs: Sergio Caserta and Stefano Guido</i>
17:50	<u>Q12</u> : Microstructure formation in freezing nanofluid droplets <i>Mickael Antoni, France</i>	<u>Q29</u> : Conductivity of aqueous wetting films <i>Stanislav Itskov, Russia</i>	<u>Q18</u> : Pickering emulsions stabilized by nanoparticles of bare silica. Adsorption of nanoparticles and emulsion stability <i>Laure Ridel, France</i>	

**Thursday, September 05 - Poster Session III
(18:10-20:10)**

T4. Interfacial Electric Phenomena

№	Author name	Title
T4.P1	Arghya Majee, Germany	Electrostatic interaction between charged colloids trapped at an interface
T4.P2	Boryan Radoev, Bulgaria	Models of pseudolinear surface electrostatics for gas-liquids
T4.P3	Dmitry Tatyanyenko, Russia	Thermodynamics of liquid film nucleation on a solid dielectric particle with a charge localized not at the particle center
T4.P4	Fei Xie, Sweden	Polyelectrolyte adsorption on solid surfaces: theoretical predictions and experimental study
T4.P5	Monika Witala, Sweden	Ion distributions in critical solvents probed by X-rays
T4.P6	Nikolay Zograf, Bulgaria	Droplet oscillations driven by electric field for studying rheological and interface properties of liquids
T4.P7	Plamen Petkov, Bulgaria	Interactions between charged particles at the air-water interface: Effect of external electric field and surface-pressure isotherm
T4.P8	Ricardo Tucceri, Argentina	Effect of the prolonged electrode potential cycling on the impedance response of poly(o-aminophenol) (POAP) film electrodes
T4.P9	Sergio Madurga, Spain	The role of citrate in the stabilization of gold nanoparticles. Conformational analysis of citric acid
T4.P10	Tatyana Peshkova, Bulgaria	Surface tension and surface $\Delta\chi$ -potential of concentrated Z^+Z^- electrolyte solutions
T4.P11	Tsetska Radeva, Bulgaria	Electro-optics of complexes between ferric oxide particles and pectins with different distribution of charged units
T4.P13	Wei-Lun Hsu, Australia	DNA focusing in silica nanofluidic channels

T5. Complex Fluids & Environmental Colloid Science

№	Author name	Title
T5.P1	Angel Delgado, Spain	Electric double layer expansion by solution exchange. A source of clean energy
T5.P2	Darya Radziuk, Germany	Ultrasonic approach for nanoparticles in water
T5.P3	Doris Vollmer, Germany	Drops impacting water- and oil repellent coatings
T5.P4	Hugo Domejean, France	Viscoelastic instabilities of core annular flows
T5.P5	Jean-Francois Berret, France	Shear microrheology of complex fluids using magnetic wires
T5.P6	John Gaydos, Canada	Laplace equation of capillarity extension for non-localized situations to included capillary systems containing surface and line boundaries
T5.P7	John Texter, USA	Supramolecular solvent-free nanofluids
T5.P8	Krystyna Prochaska, Poland	Adsorption properties of surfactants and their mixtures – potential components of industrial degreasing agents
T5.P9	Lyubomir Nikolov, Bulgaria	Gravity effects on particle - bubble interactions in granulometric separation processes
T5.P10	Marek Kosmulski, Poland	Uptake of six heavy metal cations by synthetic goethite
T5.P11	Michele Ferrari, Italy	Highly water repellent coatings in marine environment
T5.P12	Penka Vasileva, Bulgaria	Gold and silver nanoparticles: green synthesis, immobilization onto silica spheres and analytical applications
T5.P13	Penka Vasileva, Bulgaria	Starch-assisted green synthetic route of nanosized zinc oxide with promising photocatalytic properties
T5.P14	Peter Holmqvist, Germany	Rotational diffusion in concentrated platelet systems measured with X-ray photon correlation spectroscopy
T5.P15	Petr Sedlaček, Czech Republic	Barrier properties of natural polyelectrolytes studied by diffusion experiments in model hydrogels
T5.P16	Petr Sedlacek, Czech Republic	Penetration of dissolved humic fertilizers to leaves studied by simple diffusion technique
T5.P17	Sandrine Dourdain, France	Synergism by co-assembly at the origin of ion selectivity in solvent extraction
T5.P18	Stefan Wellert, Germany	Microemulsions as carrier media for environmentally friendly enzymatic decontamination of lipophilic toxic compounds
T5.P19	Vladimir Smorodin, USA	Refined classical theory of coagulation of aerosol nanoparticles
T5.P21	Christelle Tisserand, France	Gel point determination thanks to microrheology measurement at rest
T5.P22	Christelle Tisserand, France	Colloidal Stability of emulsions and nanoparticles in pharmaceuticals

T8. Micro and Nanostructured Materials		
No	Author name	Title
T8.P1	Alexandre Olive, Netherlands	Organization and compartmentalization of all-aqueous two-phase systems
T8.P2	Ali Bumajdad, Kuwait	Green bio-synthesis of silver and gold nanoparticles using fungi
T8.P3	Aneta Michna, Poland	Parallel adsorption of colloid particles and proteins on mica
T8.P4	Bat-El Pinchasik, Germany	Janus particles for tunable autonomous propulsion
T8.P5	Betul Ertekin, Turkey	Removal of metals from aqueous solution using functionalized magnetic nanoparticles
T8.P6	Borjana Donkova, Bulgaria	Synthesis, characterization and photocatalytic activity of pure and Mn doped ZnO nanowires
T8.P7	Brian Saunders, UK	Iridescent hollow colloidosomes prepared using accelerated solvent evaporation
T8.P8	Camille Morin, France	Interaction and organization of boehmite particles under different interaction potentials
T8.P9	Daniel Angelescu, Romania	Synthesis of calcium alginate nanoparticles via a nonionic microemulsion-based route
T8.P10	Dominic Kehren, Germany	PCL based degradable structures: Nanogels and nanogel/polymer composite fibres
T8.P11	Elwira Lason, Poland	NLC as a potential carrier system for chemically labile active compounds
T8.P12	Emek Seyrek, France	Structural characteristics of magnetic nanowires: Effects of polymer type, magnetic field strength and charge ratios
T8.P13	Fabrice Brunel, France	Improved mechanical properties of cement nanohydrate/polyelectrolyte composite material
T8.P14	Galina Zamfirova, Germany	Nanocomposites based on epoxy resin. Simulation of microindentation process
T8.P15	Nicolas Henning, Germany	Host-guest-interactions in a polyelectrolyte multilayer film: Molecular recognition of a guest molecule by a nanocontainer
T8.P16	Hideki Nabika, Japan	Microscopic mass transport and material patterning with reaction-diffusion chemistry
T8.P17	Jawad Sarfraz, Finland	Printable nanodispersions for gas sensing
T8.P18	Jean-Luc Blin, France	Bimodality of mesoporous silica materials induced by the mixture of Pluronic P123 and nonionic fluorinated surfactant
T8.P19	Julia Pasquet, France	The influence of physicochemical characteristics of zinc oxide particles on their antimicrobial activity
T8.P20	Kiyoshi Kanie, Japan	PMMA-grafted α -Fe ₂ O ₃ fine particles with anisotropic shapes controlled in the graft chain length by ATRP
T8.P21	Kamelia Kamburova, Bulgaria	Encapsulation and characterization of hematite nano-particles coated with polyelectrolyte multilayers
T8.P22	Kanjiro Torigoe, Japan	Titania coating of gold nanorods for photocatalysis under visible light
T8.P23	Krzysztof Jamroz, Poland	Kinetics of fluorescent latex particle deposition at PAH and PDADMAC monolayers determined by in situ measurements
T8.P24	Magdalena Nosek, Poland	Voltammetric method for determining coverage of densely packed spherical particle monolayer – experimental view
T8.P25	Magdalena Nosek, Poland	Effect of particle polydispersity on limiting diffusion current
T8.P26	Malgorzata Jaworska, Poland	Effect of nano-emulsions composition on the ursolic acid release

No	Author name	Title
T8.P27	Malgorzata Jaworska, Poland	The influence of active substance structure on their release from nano-emulsions
T8.P28	Malgorzata Nattich-Rak, Poland	Mechanism of nanoparticle deposition on polystyrene latex particles revealed by electrokinetic, AFM and SEM measurements
T8.P29	Marco Lattuada, Switzerland	Nacre-like composite materials produced via magnetically-controlled sol-gel phase separation
T8.P30	Maria Wuihischick, Germany	Size controlled synthesis of silver nanoparticles based on mechanistic studies
T8.P31	Markus Retsch, Germany	Optical and mechanical properties of hollow silica nanoparticles
T8.P32	Nikolaos Michailidis, Greece	Bio-synthesis of noble metal functionalized nanoparticles using plant extracts
T8.P33	Noritaka Kato, Japan	Mesoporous silica nanocapsules and loading of dye molecules into the capsules
T8.P34	Paula Colavita, Ireland	Carbon microspheres as nanoparticle scaffolds
T8.P35	Periklis Papadopoulos, Germany	Transparent silica nano- and microchannels with circular cross-section
T8.P36	Peter Thiesen, Germany	Imaging NIR-ellipsometry of graphene
T8.P37	Piero Baglioni, Italy	Preparation and characterization of halloysite/polyhydroxyalkanoate nanocomposites as scaffolds for bone tissue engineering
T8.P38	Piero Baglioni, Italy	Evolution of the fractal structure in hydrating cement determined by differential scanning calorimetry. Effect of chemical additives
T8.P39	Piotr Batys, Poland	Voltammetric method for determining coverage of densely packed spherical particle monolayer – theoretical study
T8.P40	Shahin Siuleiman, Bulgaria	Photocatalysis of Orange II by ZnO and TiO ₂ powders and nanowire ZnO and ZnO/TiO ₂ thin films
T8.P41	Stoyan Gutzov, Bulgaria	Preparation and optical properties of sol-gel microparticles functionalized with europium complexes
T8.P42	Svetlana Bratskaya, Russia	Fabrication and optical properties of chitosan/Ag nanoparticles thin film composites
T8.P43	Svetlana Bratskaya, Russia	Pentacyanoferrate(II) complexes with N-containing derivatives of chitosan and polyallylamine: Synthesis and cesium uptake properties
T8.P44	Takeshi Endo, Japan	Adsorption of gold nanoparticles into the pores of mesoporous titania
T8.P45	Takeshi Kawai, Japan	Fabrication of neuron-shaped Au nanocrystals using a long-chain amidoamine derivative
T8.P46	Tomasz Kruk, Poland	The modification of polyelectrolyte coatings for biomedical applications
T8.P47	Tomasz Zientarski, Poland	Study of interface and stress evolution in Cu/Au bilayers using molecular dynamics simulation
T8.P48	Valerie Ravaine, France	Enhanced signaling in thermoresponsive microgels: new opportunities in electrogenerated chemiluminescence
T8.P49	Vesselin Tonchev, Bulgaria	Growth and dissolution of equally-sized insulin crystals
T8.P50	Wei Ying Doreen Yong, Singapore	Synthesis and surface modification of rod-like and spherical silica particles
T8.P51	Yukihide Shiraishi, Japan	Electro-optic properties of liquid crystal devices doped with cucurbituril-protected zirconia nanowires
T8.P52	Yukishige Kondo, Japan	Gold-lustrous organic crystals formed from azobenzene derivatives
T8.P53	Yusuke Tajima, Japan	Thin film formation of colloidal organic semiconductor materials using electrospray deposition method
T8.P55	John Wong, Germany	Microgels in membrane technology: Thermoresponsive membranes

C3. COST MP1106 Workshop		
No	Author name	Title
C3.P1	Antonio Perazzo, Italy	Flow through porous media at the gas/liquid interface
C3.P2	Benoit Scheid, Belgium	Antibubble dynamics: The drainage of an air film with viscous interfaces
C3.P3	Ivan Lesov, Bulgaria	Drying of silica-stabilized foams: experiment and theoretical interpretation
C3.P4	Ivan Terziyski, Bulgaria	Foam and wetting films stabilized with a dirhamnolipid biosurfactant produced by <i>Pseudomonas aeruginosa</i> strains BN10
C3.P5	Ivana Fenoglio, Italy	Molecular insights on the interaction of fibrinogen with NPs silica
C3.P6	Jaroslav Katona, Serbia	Influence of triglyceride oil chain length on properties of w/o emulsions stabilized with polyglycerol polyricinoleat
C3.P7	Libero Liggieri, Italy	Sea water interfacial properties modification in the presence of a cationic surfactant
C3.P8	Lucie Vobecká, Czech Republic	Shape oscillations and rebound of bubbles in surfactant solutions
C3.P9	Margaritis Kostoglou, Greece	Bubble-in-liquid bridge configurations to assess the effect of surfactants on liquid film stability
C3.P10	Mihail Lucian Pascu, Romania	Surface properties of Vancomicine HCl after interaction with laser beams
C3.P11	Mirjana Comor, Serbia	Synthesis and characterization of CdIn ₂ S ₄ colloidal nanoparticles
C3.P12	Rosa D'Apolito, Italy	Micro-scale extensional flow to determine emulsion interfacial tension
C3.P13	Rosa D'Apolito, Italy	Newtonian and non-Newtonian flow in capillaries and microchannels
C3.P14	Roumen Todorov, Bulgaria	Black foam film method in studies of pulmonary surfactant inactivation
C3.P15	Tatiana Gambaryan-Roisman, Germany	Temperature field evolution during evaporation of a sessile droplet: Numerical simulations and experiment
C3.P16	Tereza Váňková, Czech Republic	Expansion of the three-phase contact line under dynamic and stationary experimental arrangement
C3.P17	Thodoris Karapantsios, Greece	The use of amino acid-based glycerol ether surfactants in emulsions
C3.P18	Victoria Dutschk, Netherlands	Stability studies of cosmetic emulsions from wine and grape seed oil
C3.P19	Zuzana Brabcová, Czech Republic	Prediction of contact angles of a bubble during its adhesion on an inclined plane
C3.P20	Sami Rtimi, Switzerland	Evidence for RF-plasma pretreated surfaces coated by colloidal TiO ₂ dispersions improving <i>E. coli</i> bacterial inactivation under light

Friday, September 06 - Oral Sessions			
Morning Sessions (9:00 – 13:00)			
Main Hall <i>Chair: Andrew Howe</i>			
9:00	PL5: Particle-cell assemblies: Cyborg cells, cellosomes and colloid antibodies VESELIN N. PAUNOV, Department of Chemistry, University of Hull, U.K.		
9:40	Coffee		
	T3. SURFACTANTS, LIPIDS AND SELF-ASSEMBLY <i>Chair: Konstantin Balashev</i>	T7. BIOCOLLOIDS/INTERFACES IN PHARMACY AND MEDICINE <i>Chair: Etelka Tombácz</i>	T2. FOAMS, EMULSIONS AND MICROEMULSIONS <i>Chair: Rossen Sedev</i>
10:00	<u>Q25</u> : Surface shear and dilatational rheology of hydrophobin adsorption layers: laws of viscoelastic behavior <i>Krassimir Danov, Bulgaria</i>	<u>Q17</u> : Thin liquid films as a model of alveolar surface and method for interfacial characterization of therapeutic surfactant preparation <i>Roumen Todorov, Bulgaria</i>	<u>Q19</u> : Using the confinement of nanodroplets and polymer nanoparticles for templating inorganic crystallization <i>Rafael Munoz-Espi, Germany</i>
10:20	<u>Q26</u> : Effect of the headgroup on the thermal behavior of surfactants <i>Pierandrea Lo Nostro, Italy</i>	<u>Q18</u> : Encapsulation and protection of Vitamin A palmitate with β -cyclodextrins in a solvent-free aqueous solution <i>Conxita Solans, Spain</i>	<u>Q20</u> : Investigation of nonionic additives on the structural changes of water droplets encapsulated in the AOT reverse micelles <i>Marina Rukhadze, Georgia</i>
10:40	<u>Q27</u> : Hofmeister effect on adsorption and micellization of ionic surfactants <i>Radomir Slavchov, Bulgaria</i>	<u>Q19</u> : Nanoprecipitation of polymers in a bad solvent <i>Remco Tuinier, Netherlands</i>	<u>Q21</u> : New strategies for the microencapsulation of healing agents <i>Roberto Teixeira, Belgium</i>
11:00	<u>Q28</u> : In-plane self-assembly of 2D colloids through substrate-induced condensation of Langmuir monolayers <i>Maria Kalinina, Russia</i>	<u>Q20</u> : Formation and characterization of polyelectrolyte multilayer biolubricants <i>Tracey Ho, Australia</i>	<u>Q22</u> : Aqueous foams and aerated emulsions partly stabilized by calcium carbonate particles <i>Saeed Mashinchi, UK</i>
11:20	<u>Q29</u> : New superspreading siloxane surfactants for firefighting <i>Dirk Blunk, Germany</i>	<u>Q21</u> : Direct contact of cisplatin-loaded cubosomes and hexosomes with human plasma: SAXS study <i>Intan Diana Mat Azmi, Denmark</i>	<u>Q23</u> : Effects of density difference between oils and water on stabilization of powdered o/w emulsions <i>Ryo Murakami, Japan</i>
11:40	<u>Q30</u> : Inverse micelles as charge carriers in nonpolar liquids: Characterization with current measurements <i>Filip Beunis, Belgium</i>	<u>Q22</u> : Optical tweezing electrophoresis for enzyme concentration monitoring <i>Toon Brans, Belgium</i>	<u>Q24</u> : SWOP™: A microgel stabilised, low-HLB o/w emulsion concept <i>Björn Klotz, Germany</i>
Main Hall <i>Chair: Debora Berti</i>			
12:00	Best Poster Prizes		
12:10	PL6: LAUREATE of Rhodia Prize: Directional growth and assembly of plasmonic colloids LUIS LIZ-MARZÁN, BioNanoPlasmonics Laboratory, CIC biomaGUNE, Spain		
13:00	Closing Ceremony		
13:15	Lunch		
14:00	Departure		

The Rhodia Prize

During ECIS 2013, the awardee of the Rhodia Prize will give a plenary lecture. The ECIS-Rhodia Prize was first awarded in 2001. This Prize is granted to a European scientist for original scientific work of outstanding quality, described in one or several publications, patents or other documents made public in the previous five years. Hence, the ECIS-Rhodia Prize is for recent work within the field of colloid and interface science. This year the Prize Winner is Professor Luis M. Liz-Marzán and he will present his lecture on Friday, September 06.



Luis M. Liz-Marzán is a PhD from the University of Santiago de Compostela (1992) and has been postdoc at Utrecht University (with Albert Philipse) and more recently visiting professor at Tohoku University, University of Michigan, University of Melbourne and University of Hamburg, as well as the Max Planck Institute of Colloids and Interfaces. After holding a chair in Physical Chemistry at the University of Vigo, he is currently Ikerbasque Research Professor and Scientific Director of the Basque Centre of Cooperative Research in Biomaterials (CIC biomaGUNE), in San Sebastián. He serves as a Senior Editor of the ACS journal of Colloids and Surfaces, Langmuir, since 2009 and is editorial advisory board member of several chemistry, nanotechnology and materials science journals. Liz-Marzán has been President of the Division of Colloids and Interfaces of the Spanish Royal Society of Chemistry (2009-2013). He is co-author of about 300 publications and 5 patents,

with a high citation rate (current H-index = 70) and has received several national and international research awards, including an ERC Advanced Grant (2011-2016). His current interests include nanoparticle synthesis and assembly, nanoplasmonics, and development of nanoparticle-based sensing and diagnostic tools.

PROGRAM OF TRAINING COURSE “COLLOIDS AND MEDICAL APPLICATIONS”

Saturday, August 31

09:00 - 09:50	HORST VOGEL	Single cell analysis using beads and vesicles
09:55 - 10:45		
10:45 - 11:05	Coffee	
11:05 - 11:55	KENNETH DAWSON	BioNanointeractions: Methods to characterize nanoparticle interaction with biological fluids and quantify nanoparticle uptake and impact on cells
12:00 - 13:00	Lunch	
13:00 - 13:50	MILAN MRKSICH	Controlling stem cell fate with tailored materials
13:55 - 14:45	MILAN MRKSICH	Combining self-assembled monolayers and mass spectrometry for high throughput assays
14:45 - 15:05	Coffee	
15:05 - 15:55	ROUMEN TODOROV	Thin liquid films from lipids and proteins
16:00 - 16:50	ROUMEN TODOROV	Thin liquid films from natural and synthetic mixtures

Sunday, September 01

09:00 - 09:50	PIERO BAGLIONI	Magneto-responsive nanocomposites: preparation and integration of magnetic nanoparticles into functional materials
09:55 - 10:45	PIERO BAGLIONI	Nanostructures for triggered release of drugs and biomolecules
10:45 - 11:05	Coffee	
11:05 - 11:55	NISSIM GARTI	Novel nano delivery vehicles for enhanced bioavailability and on-demand release
12:00 - 13:00	Lunch	
13:00 - 13:50	ENRIQUE LOPEZ CABARCOS	Entrapment of enzymes within microgels for its use in development of biosensors
13:55 - 14:45	ENRIQUE LOPEZ CABARCOS	Synthesis, characterization and technological applications of hybrid micro and nanoparticles
14:45 - 15:05	Coffee	
15:05 - 15:55	NIKOLAI DENKOV	In vitro models for assessment of bio-accessibility of hydrophobic nutrients and drugs
16:00 - 16:50	NIKOLAI DENKOV	Role of nutrient components for the bio-accessibility of cholesterol and of other products of lipid digestion

CIS 2013 General Scheme

	Monday			Tuesday			Wednesday			Thursday			Friday			
	Main Hall			Main Hall			Main Hall			Main Hall			Main Hall			
9:00	PL1 David Weitz			PL2 Jeffrey Penfold			PL3 Jan Dhont			PL4 Tommy Nylander			PL5 Vesselin Paunov			
9:40	Coffee			Coffee			Coffee			Coffee			Coffee			
10:00	Hall 1	Main Hall	Hall 2	Hall 1	Main Hall	Hall 2	Hall 1	Main Hall	Hall 2	Hall 1	Main Hall	Hall 2	Hall 1	Main Hall	Hall 2	
	T1. <i>Surface forces and thin liquid films</i>	T7. <i>Biocolloids / Interfaces in pharmacy and medicine</i>	T2. <i>Foams, emulsions and micro-emulsions</i>	T8. <i>Micro- and nano-structured materials</i>	T3. <i>Surfactants, lipids and self-assembly</i>	T6. <i>Polymers, gels and phase behavior</i>	T5. <i>Complex fluids and Environmental colloid chemistry</i>	T4. <i>Interfacial electric phenomena</i>	C2. <i>CM1101 & MP1106</i>	T8. <i>Micro and nano-structured materials</i>	T3. <i>Surfactants, lipids and self-assembly</i>	C3. <i>MP1106 Droplets, bubbles and foams</i>	T3. <i>Surfactants, lipids and self-assembly</i>	T7. <i>Biocolloids/ Interfaces in pharmacy and medicine</i>	T2. <i>Foams, emulsions and micro-emulsions</i>	
													Best Poster Prizes			
12:10	Lunch			Lunch			ECIS General Assembly			Lunch			PL Rhodia Prize: LUIS LIZ-MARZÁN			
13:30	Hall 1	Main Hall	Hall 2	Hall 1	Main Hall	Hall 2	Hall 3	Lunch			Hall 1	Main Hall	Hall 2	Hall 3	Lunch	
	T1. <i>Surface forces and thin liquid films</i>	T7. <i>Biocolloids / Interfaces in pharmacy and medicine</i>	C1. <i>COST CM1101</i>	T8. <i>Micro- and nano-structured materials</i>	T3. <i>Surfactants lipids and self-assembly</i>	T6. <i>Polymers, gels and phase behavior</i>	C1. <i>COST CM1101</i>	Leisure Time & Excursions			T8. <i>Micro and nano-structured materials</i>	T1. <i>Surface forces and thin liquid films</i>	T2. <i>Foams, emulsions and micro-emulsions</i>	C3. <i>MP1106 Bio-medical applications</i>	Departure	
15:40	Coffee			Coffee			Coffee				Coffee					
16:00	T1. <i>Surface forces and thin liquid films</i>	T7. <i>Biocolloids / Interfaces in pharmacy and medicine</i>	C1. <i>COST CM1101</i>	T8. <i>Micro- and nano-structured materials</i>	T3. <i>Surfactants lipids and self-assembly</i>	T6. <i>Polymers, gels and phase behavior</i>	C1. <i>CM1101</i>	Conference Dinner			T5. <i>Complex fluids and Environmental colloid chemistry</i>	T1. <i>Surface forces and thin liquid films</i>	T2. <i>Foams, emulsions and micro-emulsions</i>	C3. <i>MP1106: Green chemistry and smart colloids</i>	Departure	
	18:00	Poster Session 1 (ECIS) <i>(Surface forces and thin liquid films; Biocolloids/interfaces in pharmacy and medicine; Foams, emulsions and microemulsions)</i>									CM1101 MC meeting	Poster Session 3 <i>(ECIS & MP1106) (Interfacial electric phenomena; Complex fluids and Environmental colloid chemistry; Micro- and nanostructured materials)</i>				
19:30				Poster Session 2 <i>(ECIS & CM1101) (Surfactants, lipids and self-assembly; Polymers, gels and phase behavior)</i>												
20:10	Closure			Closure						Closure						