

Conference Program

(Last updated on 30th June)

Monday 4th July 2016

12:00 - 14:00

Delivery of Documentation

Room 1 (Plenary). Chair: Tharwat F. Tadros

14:00 - 15:00

Tandem Talk.		
Melt emulsification as formulation platform: research and application aspects	Frank, Kerstin / Abramov, Serghei.	BASF (Germany) / Karlsruhe Institute of Technology (Germany)

Room 1 Chair: Gordon Tiddy.

DESIGN AND ENGINEERING OF FORMULATIONS.

RELATIONSHIP BETWEEN STRUCTURE AND PERFORMANCE (1)

15:00 - 15:20

OC 1. Inventing a new category of formulation: a mouldable putty that turns into rubber	Jerlhagen, Asa	FormFormForm Ltd (United Kingdom)
---	----------------	-----------------------------------

15:20 - 15:40

OC 2. Particle Formulation by a Spheronization Process: Experiments and DEM Study	Weis, Dominik	University of Kaiserslautern (Germany)
---	---------------	--

15:40 - 16:00

OC 3. Emulsifiers for MWF: balancing performance, labeling and economics.	Hedoire, Claude	Solvay (France)
---	-----------------	-----------------

16:00 - 16:20

OC 4. Investigation of chemically modified inulin as encapsulation material for pharmaceutical substances by spray-drying	Walz, Michael	University of Stuttgart (Germany)
---	---------------	-----------------------------------

Room 2 Chair: Roque Hidalgo.

FUNDAMENTAL SCIENCE, PHYSICO-CHEMICAL PRINCIPLES AND MECHANISMS IN FORMULATION (1)

15:00 - 15:20

OC 5. The Impact of Depletion-Attraction on the Nucleation and Growth of Colloidal Crystals	Patti, Alessandro	University of Manchester (United Kingdom)
---	-------------------	---

15:20 - 15:40

OC 6. Development of Pectin Microparticles for Chlorhexidine Delivery: Physico-Chemical Studies and Formulation	Lascol, Manon	University of Lyon 1 (France)
---	---------------	-------------------------------

15:40 - 16:00

OC 7. Prediction of the Equivalent Alkane Carbon Number (EACN) of Polar Oils with COSMO-RS σ -MOMENTS: Application to the Aqueous Solubilisation of Fragrances.	Illous, Estelle	University of Lille 1, UCCS (France)
--	-----------------	--------------------------------------

16:00 - 16:20

OC 8. Practical Implementation of HLD-NAC Theory	Gutiérrez, Alejandro	VLCI (Spain)
--	----------------------	--------------

16:20 - 17:00

Coffee Break

Room 1. Chair: Per Wessman.

DESIGN AND ENGINEERING OF FORMULATIONS.

RELATIONSHIP BETWEEN STRUCTURE AND PERFORMANCE (2)

17:00 - 17:20

OC 9. Smart Alginate Microfibers	Chaurasia, Ankur	King's College London (United Kingdom)
----------------------------------	------------------	--

17:20 - 17:40

OC 10. How to Relate Lipstick Sensory Properties to its Ingredients? The Importance of Understanding these Relationships to Formulate more Efficiently	Abidh, Sarah	Chanel Parfums Beauté (France)
--	--------------	--------------------------------

17:40 - 18:00

OC 11. Emollients for Cosmetic Formulations: Towards Relationships between Chemicals, Physico-Chemical Properties, and Sensory Perceptions	Chao, Christina	Sorbonne Universities / Université de Technologie de Compiègne (France)
--	-----------------	---

Room 2. Chair: Jacqueline Forcada.

FUNDAMENTAL SCIENCE, PHYSICO-CHEMICAL PRINCIPLES AND MECHANISMS IN FORMULATION (2)

17:00 - 17:20

OC 12. Synthesis and Characterization of Polyacrylamide / Poly(Acrylic Acid) Interpenetrating Polymer Network Nanoparticles	Rabelero, Martín	University of Guadalajara (Mexico)
---	------------------	------------------------------------

17:20 - 17:40

OC 13. Microgel Particles in Non-Aqueous Colloid-Polymer Mixtures	Van Duijneveldt, Jeroen	University of Bristol (United Kingdom)
---	-------------------------	--

17:40 - 18:00

OC 14. Wetting and Bio-Fouling of Porous Coatings Impregnated with Oil	Horozov, Tommy	University of Hull (United Kingdom)
--	----------------	-------------------------------------

18:00-19:30

Welcome Ceremony and Reception

Tuesday 5th July 2016

Room 1. Chair: Bernd Sachweb

9:00-10:00	Plenary Lecture 1 Virtual Reality of Chemical Processes: Dream or reality?	Li, Jinghai	Chinese Academy of Sciences (China)
-------------------	--	-------------	--

Room 1. Chair: Alain Durand

DESIGN AND ENGINEERING OF FORMULATIONS.

RELATIONSHIP BETWEEN STRUCTURE AND PERFORMANCE (3)

10:00 - 10:30	Invited Lecture 1 Formulation of a W/O emulsion encapsulating polysaccharides to improve the efficiency of vegetable spraying	Clause, Danièle	Université de Technologie de Compiègne (France)
10:30 - 10:50	OC 15. Formulation of Stimuli-Responsive Emulsions Using Citrus Pectin as a Natural Hydrocolloid Emulsifier	Schmidt, Ulrike S.	Karlsruhe Institute of Technology (Germany)
10:50 - 11:10	OC 16. Cosmetic Formulation Promoting Skin Permeation based on Novel Bicontinuous Alpha-Gel Structure with Amphiphilic Tranexamic Acid Derivative.	Miyamoto, Masayoshi	KK Chanel Research and Technology Development Laboratory (Japan)

Room 2. Chair: Flor Siperstein.

NANOFORMULATION: INTEGRATING NANOMATERIALS IN FORMULATION AND FORMULATING AT THE NANOSCALE (1)

10:00 - 10:30	Invited Lecture 2 Progress in Structuring Novel Liquid Nano Vehicles for Enhanced Bioavailability and Functionality of Bioactives	Garti, Nissim	Hebrew University of Jerusalem (Israel)
10:30 - 10:50	OC 17. Formulation of Niosomes and Bicelles by Nonionic Double-Tailed Surfactants	Aramaki, Kenji	Yokohama National University (Japan)
10:50 - 11:10	OC 18. Synthesis of Polyurea Nanocapsules by Interfacial Step Polymerization using Cosurfactant-Free Microemulsions as Templates	Achour, Walid	University Claude Bernard Lyon (France)

11:10 - 11:40 Coffee Break

Room 1. Chair: Christian Quellet.

DESIGN AND ENGINEERING OF FORMULATIONS.

RELATIONSHIP BETWEEN STRUCTURE AND PERFORMANCE (4)

11:40 - 12:00	OC 19. Formulation of Artificial Finger Print	Hasome, Ayano	Fujitsu Laboratories Ltd (Japan)
12:00 - 12:20	OC 20. Oligomeric Alkylglycoside Surfactants - New Power-Tools in the Formulation Toolbox	Ulvenlund, Stefan	Enza Biotech Ab (Sweden)
12:20 - 12:40	OC 21. Stabilization of High Molecular Weight Silicone Emulsions	Marchal, Frederic	Bluestar Silicones (France)
12:40 - 13:00	OC 22. Comparative Emulsifying Properties of Osa-Modified Starch: Granular Form vs. Dissolved State	Matos, Maria	University of Oviedo (Spain)

Room 2. Chair: Simon Gibbon.

NANOFORMULATION: INTEGRATING NANOMATERIALS IN FORMULATION AND FORMULATING AT THE NANOSCALE (2)

11:40 - 12:00	OC 23. Photonic Materials Prepared Through the Entrapment of Quantum Dots into Silica	Shchipunov, Yury	Institute of Chemistry, Russian Academy of Sciences (Russia)
12:00 - 12:20	OC 24. Magnetic Solid Foams from Highly Concentrated Emulsions	Rodriguez-Abreu, Carlos	INL (Portugal)
12:20 - 12:40	OC 25. Micro-Mesostructured Silica from Ionic/Nonionic Surfactants Mixture	Blin, Jean - Luc	University of Lorraine (France)
12:40 - 13:00	OC 26. Formulating Polymeric Superhydrophobic Coatings based on Functionalized SiO ₂ Nanocomposites	Sánchez, Margarita	Centro De Investigacion En Materiales Avanzados, Unidad Monterrey (Mexico)

13:00 - 14:00 Lunch

Room 1. Chair: Jean-Marie Aubry.

DESIGN AND ENGINEERING OF FORMULATIONS.

RELATIONSHIP BETWEEN STRUCTURE AND PERFORMANCE (5)

14:00 - 14:20	OC 27. Formulation of Emulsions stabilized with Biodegradable PLGA Nanoparticles for Pharmaceutical and Cosmetic Applications	Albert, Claire	Institut Galien Paris-Sud, University Paris-Saclay (France)
14:20 - 14:40	OC 28. Development of a Novel Generation of Softeners with Fragrances Encapsulated in Quatsomes/Particles	Bernal, Cristóbal	Carinsa (Spain)
14:40 - 15:00	OC 29. Formation of Functional Pharmaceutical Nanoparticles using Membrane Dispersion Cell Combined with Solvent Displacement Method	Othman, Rahimah	Loughborough University (United Kingdom)
15:00 - 15:20	OC 30. Encapsulation of Ferrous Sulphate in Niosomes for Yogurt Fortification	Gutierrez, Gemma	University of Oviedo (Spain)
15:20 - 15:40	OC 31. New Sophorolipids - Naturally Derived High Performing Biosurfactants	Fender, Michael	Evonik (Germany)
15:40 - 16:00	OC 32. Formulation of Industrial Enzyme - Current and Future Grand Challenges	Andersen, Kim Bruno	Novozymes A/S (Denmark)

Room 2. Chair: Alessandro Patti.

FUNDAMENTAL SCIENCE, PHYSICO-CHEMICAL PRINCIPLES AND MECHANISMS IN FORMULATION (3)

14:00 - 14:20	OC 33. Steady-State Droplet Size in Pickering Emulsions	Van Duijneveldt, Jeroen	University of Bristol (United Kingdom)
14:20 - 14:40	OC 34. Hierarchical Self-Assembly in Tranexamic Acid Cetyl Ester Hydrochloride System	Yamashita, Yuji	Chiba Institute of Science (Japan)
14:40 - 15:00	OC 35. Dynamic and Rheological Behaviour of a Polymer Melt Loaded with Polydisperse Nanoparticles	Burgos, José Javier	University of Manchester (United Kingdom)
15:00 - 15:20	OC 36. QSAR Study on Diverse Compounds for Effects on Thermal Stability of a Monoclonal Antibody	Oyetayo, Olubukayo-Opeyemi	Institute of Applied Biotechnology, Biberach University of Applied Sciences (Germany)
15:20 - 15:40	OC 37. PIT-Slope Method: a Simple Tool to Quantify the Amphiphilicity of Surfactants and determine the Structure-Interfacial Properties Relationship.	Ontiveros, Jesus F	École National Supérieure de Chimie (France)
15:40 - 16:00	OC 38. Detailed Investigation of Concentrated Micro- and Nanodispersions by X-Ray Concentration Profiling	Lerche, Dietmar.	Lum (Germany)

16:00 - 17:00

Poster Session + Coffee Break

Free Afternoon

Wednesday 6th July 2016

Room 1. Chair: Nissim Garti.

9:00-10:00	Plenary Lecture 2 Probing the interfacial properties of Janus particles at liquid interfaces	Hidalgo-Álvarez, Roque	University of Granada (Spain)
------------	--	------------------------	-------------------------------

Room 1. Chair: Kerstin Mülheims.

APPLICATIONS AND CUSTOMER NEEDS (1)

10:00 - 10:30	Invited Lecture 3 Microbial product development – A formulation point of view	Wessman, Per	SP Sveriges Tekniska (Sweden)
10:30 - 10:50	OC 39. Organic-inorganic patchy particles as a versatile platform for foam and emulsion stabilization	Velikov, Krassimir	Unilever R&D Vlaardingen (The Netherlands)
10:50 - 11:10	OC 40. NANOCYTES® - Core-shell particles for the particle-based formulation of active pharmaceutical ingredients	Gruber-Traub, Carmen	Fraunhofer Institute for Interfacial Engineering and Biotechnology IGB (Germany)

Room 2. Chair: Christine Vauthier.

NANOFORMULATION: INTEGRATING NANOMATERIALS IN FORMULATION AND FORMULATING AT THE NANOSCALE (3)

10:00 - 10:30	Invited Lecture 4 Responsible Management of Nanotechnology	Schmid, Dagoberto	Basf Española S.L. (Spain)
10:30 - 10:50	OC 41. Formulation Strategies for the Production of Pharmaceutical Powders out of Precipitated API Nanoparticles	Melzig, Sebastian	Technische Universität Braunschweig (Germany)
10:50 - 11:10	OC 42. Formulation of Polymer Composites as Functional Coatings based on Functionalized NP's for Use on Solar Panels	Licea Jiménez, Liliana	Centro de Investigación dn Materiales Avanzados (Mexico)

11:10 - 11:40

Coffee Break

Room 1. Chair: Margarita Sánchez-Domínguez.

APPLICATIONS AND CUSTOMER NEEDS (2)

11:40 - 12:00	OC 43. Study of Emulsifiable Concentrates using Green Solvents	Oliveira, Adriano	Oxiteno S/A Industria e Comercio (Brazil)
12:00 - 12:20	OC 44. Protein Evaluation in Food Formulations by Passive Microrheology	Ramsch, Roland	Formulation (France)
12:20 - 12:40	OC 45. Preparation of Stable Emulsions to Chlorpheniramine Recovery from Aqueous Solutions.	Razo, Teresa Alejandra	University of Guanajuato (Mexico)
12:40 - 13:00	OC 46. A Multiple Emulsion Approach to Deliver 1-MCP for pre-Harvest Applications	Ghosh, Tirthankar	Agrofresh Inc. (United States)
13:00 - 13:20	OC 47. Predicting the Interfacial Tension of Multicomponent Liquid-Liquid Systems with COSMO-RS	Reinisch, Jens	COSMOlogic (Germany)

Room 2. Chair: Carlos Rodríguez-Abreu.

NANOFORMULATION: INTEGRATING NANOMATERIALS IN FORMULATION AND FORMULATING AT THE NANOSCALE (4)

11:40 - 12:00	OC 48. Deep-Sea Inspired Process for Bottom-Up Production of Nanoemulsions	Deguchi, Shigeru	Japan Agency for Marine-Earth Science and Technology (Japan)
12:00 - 12:20	OC 49. Polymeric Nano-Emulsions and Nanoparticles: Influence of Polymer Concentration on Size, Stability, Drug Encapsulation and Release	Homs, Maria	IQAC-CSIC (Spain)
12:20 - 12:40	OC 50. Formulation Strategies for the Preparation of Nanoemulsions containing Sensitive Carotenoids	Mira, Isabel	SP Technical Research Institute (Sweden)
12:40 - 13:00	OC 51. Sub-Micron Patterning of Polymer Brushes arising from the Inkjet Printing of Polyelectrolyte Macroinitiators	Yeates, Stephen	University of Manchester (United Kingdom)
13:00 - 13:20	OC 52. Engineering New Hybrid Nanoparticles for Formulation of New Materials	Celine, Hubert	Centre de Recherche Paul Pascal (France)

13:20 - 14:00

Lunch

Room 1 (Plenary). Chair: Werner Kunz.

14:00 - 15:00	Success Story Soft Matter and Colloids for the conservation of Cultural Heritage	Piero Baglioni	University of Florence (Italy)
----------------------	---	----------------	--------------------------------

Room 1. Chair: Aurora Benaiges.

APPLICATIONS AND CUSTOMER NEEDS (3)

15:00 - 15:20	OC 53. Aqueous Solubilisation of Fragrances in Volatile Solvo-Surfactant-Based Microemulsions	Nardello-Rataj, Véronique	University of Lille (France)
15:20 - 15:40	OC 54. Fragrances with Double Functionality. Novel Perfume Composition for the Prevention and Control of Diseases and Biofilms.	Bernal, Cristóbal	Carinsa (Spain)
15:40 - 16:00	OC 55. Understanding the Role of Chelants in a Formulation	Giles, Matthew	Innospec Ltd (United Kingdom)

Room 2. Chair: Danièle Clause.

CHARACTERISATION, PROPERTIES AND PERFORMANCES (1)

15:00 - 15:20	OC 56. Dispersibility of aqueous nanosized metal oxide as function of dispersion intensity and characterization of degree of flocculation	Lerche, Dietmar	LUM (Germany)
15:20 - 15:40	OC 57. Design of Agro-based Coatings: from innovative raw materials to optimal performances, the critical input of property characterization	Collinet, Marion	IFMAS (France)
15:40 - 16:00	OC 58. Determination of particle surface properties for liquids election regarding pigment formulation	Süß, Sebastian	Friedrich-Alexander-Universität Erlangen, Nürnberg (Germany)

16:00 - 17:00 Poster Session + Coffee Break

Room 1. Chair: Jean-Luc Blin.

DESIGN AND ENGINEERING OF FORMULATIONS.

RELATIONSHIP BETWEEN STRUCTURE AND PERFORMANCE (6)

17:00 - 17:20	OC 59. Concentrated Oil-In-Water Emulsions Stabilized by Amphiphilic Polymers	Durand, Alain	University of Lorraine (France)
17:20 - 17:40	OC 60. Pickering Emulsions based on Clays: Fundamental Investigations and Potential Applications	Pitarch, Jesus	Clariant (Germany)
17:40 - 18:00	OC 61. Stimuli-Responsive Capsules based on Pickering Emulsion	Baillet, Marion	University of Bordeaux / Crpp (France)
18:00 - 18:20	OC 62. High Internal Phase Emulsion Stabilized by Whey Protein Isolate-Low-Methoxy Pectin Complexes	Wijaya, Wahyu	Ghent University (Belgium)
18:20 - 18:40	OC 63. Formulation of Organic Crystals in Stirred Media Mills	Konnerth, Christoph	Institute of Particle Technology (Germany)
18:40 - 19:00	OC 64. High-Throughput Development of Micro-Capsule Containing Formulations	Paul, Johan	Flamac (Belgium)

Room 2. Chair: Petra Allef.

CHARACTERISATION, PROPERTIES AND PERFORMANCES (2)

17:00 - 17:20	OC 65. Fast Temperature Screening for Viscosity Determination of Thermoresponsive Polymers with Innovative Microfluidic Device	Fleury, Mathias	Formulation (France)
17:20 - 17:40	OC 66. Anisotropy in Liquid Crystalline Phases as Detected by Natural Levels of D ₂ O: An NMR Method to Characterise Gel Phases.	Mendoza, Cesar	Unilever (United Kingdom)
17:40 - 18:00	OC 67. Nanoformulation: Water-In-Diesel Fuel Preparation (using High-Energy Emulsification Method), Stability and Physical Properties.	Mane Harishchadra, Swapnil	Institute of Chemical Technology (India)
18:00 - 18:20	OC 68. Novel Photocatalyst - Composite Membrane Filter for Treatment of Pharmaceutical Residues and other Organic Pollutants in Waste Water	Persson, Karin	SP Technical Institute (Sweden)
18:20 - 18:40	OC 69. Determination of Density of Emulsion Droplets and inner Dispersed Phase Fraction of W/O/W Double Emulsions	Lerche, Dietmar	Dr.Lerche KG (Germany)
18:40 - 19:00	OC 70. Green Synthesis of Silver Nanoparticles in Microemulsion Media	Rivera Rangel, Rubén Darío	University of Guanajuato (Mexico)

20:30 Conference Dinner

Thursday 7th July 2016

Room 1. Chair: Kazutami Sakamoto.

9:00 - 10:00	Plenary Lecture 3 Formulation of tailor-made liquid solutions with a special focus on green and sustainable chemistry	Kunz, Werner	University of Regensburg (Germany)
--------------	---	--------------	---------------------------------------

Room 1. Chair: Kenji Aramaki.

DESIGN AND ENGINEERING OF FORMULATIONS.

RELATIONSHIP BETWEEN STRUCTURE AND PERFORMANCE (7)

10:00 - 10:30	OC 71. About microemulsion-based gels, reversible adhesives and structured emulsions, 30 years re-search and industrial applications of block copolymers	Quellet, Christian	LEUGOS (Switzerland)
10:30 - 10:50	OC 72. Optimum Formulation for Maximum Encapsulation in Multiple Emulsions	Jahanzad, Fatemeh	London South Bank University (United Kingdom)
10:50 - 11:10	OC 73. Formulation of industrial relevant enzymes	Baier, Grit	BASF SE (Germany)

Room 2. Chair: Cécile Pagnoux.

FORMULATIONS FOR BIOMEDICAL NEEDS (1)

10:00 - 10:30	Invited lecture 5 Interactions of nanomedicines with blood proteins and cells: modulation by nanoparticle surface design	Vauthier, Christine	University of Paris Sud, CNRS (France)
10:30 - 10:50	OC 74. Immuno-Modulatory PPH dendrimer: from Systemic to Topical Delivery?	Turrin, Cédric-Olivier	Laboratoire de Chimie de Coordination du CNRS (France)
10:50 - 11:10	OC 82. Antimicrobial Soft Contact Lenses using Formulated Peptides	Salvagni, Emiliano	IQAC-CSIC (Spain)

11:10 - 11:40 **Coffee Break**

Room 1. Chair: Ulla Elofsson.

DESIGN AND ENGINEERING OF FORMULATIONS.

RELATIONSHIP BETWEEN STRUCTURE AND PERFORMANCE (8)

11:40 - 12:00	OC 76. Formulation of Ceramic Foams: a New Class of Amphiphiles	Celani, Andrea	University of Birmingham (United Kingdom)
12:00 - 12:20	OC 77. Enhancement of a Green Emulsion Stability by Tuning Its Formulation and Processing.	Santos García, Jenifer	University of Sevilla (Spain)
12:20 - 12:40	OC 78. Encapsulation by Supercritical Fluid and Pressurised Gas Processing	Rose, Paul	Callaghan Innovation (New Zealand)
12:40 - 13:00	OC 79. Glucamide as a Bio-Based Sugar Surfactants for Home Care	Schindle, Florian	Clariant (Germany)
13:00 - 13:20	OC 80. Benefits of Particular Silicones for Protecting Hair Fibers against Heat Damage	Sabrina, Marchioretto	Dow Corning (Belgium)

Room 2. Chair: Muriel Blanzat.

FORMULATIONS FOR BIOMEDICAL NEEDS (2)

11:40 - 12:00	OC 81. Amorphization of Crystalline Pharmaceutical Active Ingredients via Formulation Technologies	Yee, Lim Tau	Institute of Chemical and Engineering Sciences (Singapore)
12:00 - 12:20	OC 75. Embracing the Circular Economy with Enzyme Technology	Bartolini, Tony	Novozymes (France)
12:20 - 12:40	OC 83. Hyaluronic Acid Gels containing Liposomes for the Sustained Delivery of a Corticoid to the inner Ear: Formulation, Characterization and Evaluation	Agnely, Florence	Institut Galien Paris-Sud (France)
12:40 - 13:00	OC 84. Stability of Immobilised β -Galactosidase on Meso-Macroporous Silica Support	Fontainhas Prazeres, Sofia	University of Alcalá (Spain)
13:00 - 13:20	OC 85. Encapsulation of <i>L. Rhamnosus</i> GG (LGG) in Alginate-Silicate	Haffner, Fernanda	Nano Group, SRSMC-CNRS University of Lorraine (France)

Room 1 (Plenary)

13:20 - 13:40 **Conference Ending**

13:40 **Lunch**