

**Tuesday, 18.Feb.2020**

<b>Plenary lecture</b>				
9:30-10:20	PL	Aerogels – Synthesis, properties and applications	Lorenz Ratke	DE
<b>S1 Biomedical applications of aerogels (I)</b>				
10:20-10:35	O	Alginate aerogel capsules loaded with ketoprofen-lysinate produced by prilling in tandem with supercritical drying for wound healing applications	Pasquale Del Gaudio	IT
10:35-10:50	O	Aerogel-based bioactive composites for regenerative bone substitution. Synthesis, properties, and in vivo studies	István Lázár	HU
10:50-11:05	O	Dextran aldehyde modified silica aerogels: Colon targeted drug delivery systems	Sevil Yücel	TR
11:05-11:20	O	Pectin aerogels and its composites for controlled release	Tatiana Budtova	FR
11:20-11:50	Coffee break + poster session			
<b>S2 Aerogel processing (I)</b>				
11:50-12:10	KN	Understanding the mechanisms of hydration induced structural changes in biopolymer aerogels	József Kalmár	HU
12:10-12:25	O	Morphology control of nickel nanostructures prepared in-situ within silica aerogels produced by novel ambient pressure drying	Lidija Šiller	UK
12:25-12:40	O	Topochemical engineering of cellulose-based hybrid aerogels	Pedro Fardim	BE
12:40-12:55	O	Growth of large-scale nanoporous metallic 3D networks by PVD and their optical properties	Racheli Ron	IL
12:55-14:30	Lunch break			
<b>S3 Biomedical applications of other nanostructured materials</b>				
14:30-14:50	KN	Supercritical fluid technology for drug product and medical device development	Elisabeth Badens	FR
14:50-15:05	O	Bacterial nanocellulose as a cell culture platform and ocular bandage	Anna Roig	ES
15:05-15:20	O	A bioactive gellan gum-collagen interpenetrating network hydrogel for cell-based wound healing	Rachel P. L. Ee	SG
15:20-15:35	O	Anisotropic nanocellulose gel-membranes for drug delivery: Tailoring structure and interface by sequential periodate-chlorite oxidation	Falk Liebner	AT
<b>S4 Environmental applications (I)</b>				
15:35-15:50	O	Silica-based monolithic aerogels reinforced with aramid pulp for thermal insulation	Luísa Durães	PT
15:50-16:05	O	Nanocellulose-based magnetic aerobeads as superabsorbents for oils and organic solvents	Henrikki Liimatainen	FI
16:05-16:20	O	Active polysaccharide aerogels for extending the shelf-life of fresh plant products	Kirsi S. Mikkonen	FI
16:20-16:50	Coffee break + poster session			
<b>S5 ECIs Forum (I)</b>				
16:50-17:00	ECI	Pulmonary drug delivery with aerogels: Engineering of alginate and alginate-hyaluronic acid microspheres	Tamara Athamneh	DE
17:00-17:10	ECI	Biological evaluation of osteogenic potential of magnesium substituted hydroxyapatite scaffolds	Maja Antunovic	HR
17:10-17:20	ECI	Biopolymeric gels as release systems for osteogenic receptor ligands	Markus Witzler	DE
17:20-17:30	ECI	Textile-silica aerogel composites strengthened with cotton fibres obtained from manufacturing wastes	Teresa Linhares	PT
17:30-17:40	ECI	Bi-layered bio-based/clay aerogel as a fire protection system	Lucía Guadalupe De la Cruz Jesús	ES
17:40-17:50	ECI	Hybrid carbon spherogels: Encapsulation of maghemite and titania into carbon	Miralem Salihovic	AT
17:50-18:00	ECI	Aerogels made of graphene oxide and magnetic applications for MRI applications	Alejandro Borrás	ES
18:00-18:10	ECI	Bridging knowledge gap between basic research and application of silica aerogel materials in buildings: Webpage, survey, award on aerogel use	Michal Ganobjak	CH
18:10-19:30	City guided tour			
19:30	Tapas dinner			

**Wednesday, 19.Feb.2020**

<b>Plenary lecture</b>				
9:30-10:20	PL	Graphene-based aerogels: Design, synthesis and environmental performance	Xuetong Zhang	CN
<b>S6 Aerogel processing (II)</b>				
10:20-10:35	O	Metal-doped novel hybrid alginate aerogels	Patrina Paraskevopoulou	GR
10:35-10:50	O	Strong, machinable and thermal insulating chitosan-urea aerogels: towards ambient pressure drying of biopolymer aerogels	Natalia Guerrero-Alburquerque	CH
10:50-11:05	O	New route to silica-polysaccharide aerogels	Zoran Novak	SI
11:05-11:20	O	Properties of carboxylated cellulose nanofibrils and application in advanced wound dressings	Gary Chinga Carrasco	NO
11:20-11:50	Coffee break + poster session			
<b>S7 Aerogel characterization</b>				
11:50-12:10	KN	High temperature interaction between carbon aerogel and molten magnesium	Jerzy J. Sobczak	PL
12:10-12:25	O	Small-Angle Scattering analysis of gels, aerogels, and other porous materials	Cedric J. Gommès	BE
12:25-12:40	O	Investigating the effect of wetting on biopolymer aerogel networks for tissue engineering applications	Ameya Rege	DE
12:40-12:55	O	Controlled hierarchical porosity in electrospun polymer fibers and membranes	Urszula Stachewicz	PL
12:55-14:30	Lunch break			
<b>S8 Biomedical applications of aerogels (II)</b>				
14:30-14:50	KN	Alginate-chitosan nanoporous carriers produced by supercritical fluid technology: Animal <i>in-vivo</i> toxicity study and drug loading with cisplatin	Mohammad Alnaief	JO
14:50-15:05	O	Porous composites containing carbon nano-onions and their application in electrocatalysis and biosensors	M. E. Plonska-Brzezinska	PL
15:05-15:20	O	Bio-based aerogels for drug delivery in selected biomedical applications	Clara López-Iglesias	ES
15:20-15:35	O	Nanosystems plus smart gels: a next-generation of drug delivery systems	Catarina Pinto Reis	PT
<b>S9 Environmental applications (II)</b>				
15:35-15:50	O	Nanocellulose aerogels as a building block for renewable energy	Jaana Vapaavuori	FI
15:50-16:05	O	Application of PLA aerogels impregnated with TiO <sub>2</sub> nanoparticles for treatment of colored wastewater	Stoja Milovanovic	RS
16:05-16:20	O	Ex-ante life cycle assessment and environmental, health and safety screening to assist the green design of cellulose nanocrystal foam	Li Shen	NL
16:20-16:50	Coffee break + poster session			
<b>S10 ECIs Forum (II)</b>				
16:50-17:00	ECI	Tragacanth gum and alginate based composite aerogels as novel controlled drug release systems	Zeynep Ulker Demir	TR
17:00-17:10	ECI	Whey protein aerogels for food application: effect of preparation technique on physical properties, stability and digestibility	Stella Plazzotta	IT
17:10-17:20	ECI	Curcumin in topical applications: how to deliver it?	Marta Gallo	IT
17:20-17:30	ECI	PLA coating improves the performance of renewable absorbent pads based on cellulosic aerogels from <i>P.oceanica</i> waste biomass	Isaac Benito-González	ES
17:30-17:40	ECI	Modified aerogels for treatment of heavy metals laden water media	João P. Vareda	PT
17:40-17:50	ECI	FIB-SEM nanotomography, a powerful tool to assess the microstructure of aerogels	Eugenio L. Solla	ES
17:50-18:00	ECI	Mechanical properties at nanoscale of a conductive porous material produced using biopolymer aerogels as template and its potential application as extracellular matrix in biological cell culture	Ricardo Starbird	CR
18:00-18:10	ECI	Palladium supported on porous chitosan-graphene oxide aerogels: Catalysts for hydrogen generation from formate	Aicha Anouar	MO
20:00	Gala dinner			



Thursday, 20.Feb.2020

Plenary lecture				
9:30-10:20	PL	<i>In vivo</i> and <i>in vitro</i> biomedical applications of aerogels	Firouzeh Sabri	US
<b>S11 ECI Forum (III)</b>				
10:20-10:30	ECI	A phenol-formaldehyde resin-based organic aerogels for environmental application	Monika Tomczykowa	PL
10:30-10:40	ECI	Screen-printed electrodes made of Cu-doped carbon xerogel applied to the analysis of chemical oxygen demand in water	Wenchao Duan	ES
10:40-10:50	ECI	Mesoporous biphasic anatase-brookite aerogel/xerogel photocatalyst for H <sub>2</sub> production	Lizeth Katherine Tinoco	CZ
10:50-11:00	ECI	NMR studies on gels and aerogels for CO <sub>2</sub> capture	Raquel Barrulas	PT
11:00-11:10	ECI	From brown seaweed to green alginate/cellulose nanofiber hydrogels using 3D printing	Linn Berglund	SE
11:10-11:20	ECI	Nano-fibrillated cellulose aerogels: How density affects its properties	Deeptanshu Sivaraman	CH
<b>10:20-11:20 AERoGELS COST Action MC-meeting</b>				
11:20-11:50 Coffee break				
<b>11:50-13:20 AERoGELS COST Action Working group meetings</b>				
13:20-14:00 Lunch break				
<b>14:00-16:30 AERoGELS COST Action Working Group meetings</b>				
16:30-17:00 Meeting closure				

ECI: early career investigator, KN: keynote, PL: plenary, O: oral