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Low Cost graphene oxide Aerogels for the removal of Pb+2 from drinking water

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Date	Time				
18-Sep	09:00	Opening	Session 1: Aerogel Synthesis		
	09:10	Plenary	Silica Aerogels and Applications	A. Venkateswara Rao	
	09:55	Keynote	Size controlled nanoparticles embedded in silica aerogels	Anna Corrias	
	10:25	Oral	Controlled, three dimensional self-assembly of cadmium-based semiconductor nanoparticles into voluminous, porous aerogels	Daniel Zámbo , Anja Schlosser, Franziska Lübke, Nadja C. Bigall	
	10:45	Coffee Break			
	11:20	Keynote	The influence of sol-gel processing parameters on the porous structure and thermal conductivity of flexible silicone aerogel made from methyltrimethoxysilane (MTMS)	M. Du, N. Mao and SJ Russell	
	11:50	Oral	Novel drying method of poly(methylsilsesquioxane) xerogels suitable for large-sized monoliths	Noboru Kawase , Mamoru Aizawa and Kazuyoshi Kanamori	
	12:10	Oral	Inkjet Printing: Patterning of Nanoparticles and Nanoparticle Based Aerogel-Like Networks for Photoelectrochemical Applications	Franziska Lübke , Jan F. Miethe, Ralf Anselmann, Pascal Rusch, Torben Kodanek, Thea Heinemeyer, Dominik Natke, Dorian Zok, Dirk Dorfs, Nadja C. Bigall	
	12:30	Oral	Investigation of In-situ Sol-Gel Conversion in the Carbon Modified Polymer-based Silica Gels for Aerogel Production	Solmaz Karamikamkar , Hani Naguib, Chul Park	
	12:50	Lunch			
	13:50	Poster Session			
	18-Sep	Session 2: Aerogel Composites			
		14:20	Keynote	Porous Silica as a Scaffold for Light-active Materials	F. Cucinotta , M. Santana-Vega, B. Jarman, U. Sani
14:50		Oral	Polysiloxane-based organic-inorganic hybrid aerogels with mechanical flexibility	Kazuyoshi Kanamori , Ryota Ueoka, Mamoru Aizawa, Noboru Kawase, Kazuki Nakanishi	
15:10		Oral	Agricultural Waste Derived Highly Flexible and Resilient Nanofibrillated Cellulose Aerogel for Energy Efficient Building Insulation Application	Pragya Gupta , Yves GROHENS and Pradij K Maji	
15:30		Keynote	Shape Control of Mechanically Strong Polymer Aerogels for Product Integration Partnerships	Ryan T. Nelson , Justin S. Griffin, Moriah C. Buckwalter, and Stephen A. Steiner III	
16:00		Coffee Break + Poster			
16:30		Keynote	Aerogel Composite Design for Ballistic Protection	Stephen Devine	
16:50		Oral	Advanced Aerogel Insulation materials for the Building Envelope	Lori McElroy	
17:10		Oral	Ultralow bulk density boehmite nanofiber aerogels and their composites	Gen Hayase	
17:30		Oral	Bi lipidex™ Aerogel Absorbent for Capture of Bile and Lipids	Yosry Attia	
17:30		Oral	Pilot-Scale Manufacturing of Mechanically Strong Polyimide Aerogel Monoliths and Thin Films: New Commercial Opportunities for Aerogel	Stephen A. Steiner III , Justin S. Griffin, Ryan T. Nelson, Moriah C. Buckwalter, John N. Schneider, and Mark F. Schneider	
19-Sep	Session 3: Carbon/Organic Materials				
	09:00	Keynote	Carbon aerogels – understanding of mechanical behavior and the effect of pulverization on its microstructure	Barbara Milow , Ameya Rege, Marina Schwan and Jessica Schettler	
	09:30	Oral	Thermal induced conductivity increment of carbon aerogel films and their applications of ultrabroad band detection of electromagnetic wave	Xiujie Ji , Ai Du, Hongqiang Wang, Wei Sun, Bin Zhou, Jun Shen	
	09:50	Oral	Investigating polysaccharide-based aerogels under deformation: a model approach	Ameya Rege , Lorenz Ratke, Barbara Milow, Pavel Gurikov	
	10:10	Oral	Anisotropic and Biomimetic Architected Silica-Silk Fibroin Aerogel Hybrids	Hajar Maleki, Barbara Milow	
	10:30	Coffee Break + Poster			
	10:50	Keynote	Hot-electron effect and the applications of superblack carbon aerogels	Ai Du , Hongqiang Wang, Wei Sun, Peitao Xie, Xiujie Ji, Xinru He, Guangming Wu, Bin Zhou, Runhua Fan, Jun Shen	
	11:20	Oral	Porous silica reduced graphene oxide composite aerogels for oil spill treatment	Swapneel Vijay THAKKAR , Luca MALFATTI, Andrea PINNA, Carlo CARBONARO, Maria F CASULA*	
	11:40	Oral	Conjugated organic aerogels as electrode platforms for fuel cells	Leigh Peles-Strahl , Adi Dahan, Galit Bar and Lior Elbaz	
	12:00	Oral	Pristina™ ST-31 Aerogel Absorbent for Capture of Undesirable Compounds from Tobacco Vapors	Yosry Attia	
	12:20	Keynote	Graphene-based aerogels: design, synthesis and performances	Xuetong Zhang	
12:50	Lunch on the bus				
14:00	Beamish Museum				
19:00	Dinner + Poster Prize				
20-Sep	Session 4: Inspiration and Applications				
	09:00	Plenary	Aerogels—Recent Progress and Applications	Jun Shen , Ze Zhang, Xiaodong Wang	
	09:45	Keynote	Geometric and Morphological Control in Ultra-Low-Density Freeze-Cast Materials	Tyler M. Fears , Fang Qian, Alyssa L. Troksa, Tom Braun, Jacob L. Beckham, Joshua A. Hammons, Michael H. Nielsen, Jean-Baptiste Forien, Theodore F. Baumann, T. Yong-Jin Han, Sergei O. Kucheyev, and Michael Bagge-Hansen	
	10:15	Oral	Aerogel Integration for Thermal Insulation and Sublimation Suppression in Proposed Radioisotope Thermoelectric Generators	Kevin Yu , Kathy Lee, Steven Jones, Emmanuelle Despagnet-Ayoub, Jong-Ah Paik, Fivos Drymiotis, Thierry Caillat, Stan Pinkowski, Jean-Pierre Fleurial, Frances Hurwitz, Haiquan Guo, Jessica Cashman, Gustavo Costa	
	10:35	Oral	Nanoparticle based-aerogels as efficient mesoporous photocatalysts	Ana Laura Luna , Christophe Colbeau-Justin and Markus Niederberger	
	10:55	Coffee Break			
	11:20	Keynote	Zeolite-loaded aerogel getters as a primary vacuum sorption pump in planetary instruments	Mihail P. Petkov , Steven M. Jones, Gerald E. Voecks	
	11:50	Oral	Nanoporous Silica Aerogel Membranes for CO2 Capture	Yi-Feng Lin	
	12:10	Oral	Boron Nitride Aerogels with Super-Flexibility Ranging from Liquid Nitrogen Temperature to 1000 °C	Guangyong Li , Xuetong Zhang	
	12:30	Lunch			
	13:50	Keynote	Nanostructuring and assembling nanocrystals into multifunctional gels	Pablo Guardia	
	14:20	Oral	Influencing Structure and Optical Properties of Core-Shell Network Structures	Pascal Rusch , Björn Schremmer, Franziska Lübke, Nadja C. Bigall	
	14:40	Oral	Synthesis of Thermo-sensitive Hydrogels with Interpenetrating Polymer Network Structure and the Application in Clothing	Jun Xu , Ningtao Mao, Huidong Bai, Kaishan Tao and Hui Zhang	
	15:00	Coffee Break			
	15:30	Keynote	(U)topia: Moulding A (Blue-Sky) Research In-Between Disciplines For The Utopian, Parenthetical, Aerogelic Space	Ioannis Michalou(d)is	
	16:00	Oral	Aerogel application's in battle with global warming	Lidija Siller	
	16:20	Closing			