

SEPTEMBER 11, THURSDAY			
Room	AUDITORIUM	B002	B003
09:00	10:00	PL3: Professor Wolfgang Arlt, Friedrich-Alexander-U. Erlangen-Nürnberg, Germany Energy and sustainability Auditorium	
10:00	10:15	KN3-EN: Adélio Mendes Towards Zero Energy Buildings: Photovoltaic and Photoelectrochemical Devices	O-FP11: Mass-transfer in narrow rectangular channels with mesh-type spacers under pulsatile flow in laminar regime
10:15	10:30		O-FP12: Electrochemical Impedance Spectroscopy Measurements During Chlorine-Evolution Reaction
10:30	10:45	O-EN1: Production of hydrocracked lubricant base oils by the combination of units already existent in Galp Energia refineries	O-FP13: On the selection of the working conditions to precipitate Polystyrene wastes from Limonene solutions
10:45	11:00	O-EN2: A One-Dimensional and Two-Phase Flow Model of a Proton Exchange Membrane (PEM) Fuel Cell	O-FP14: Systematic Parameter Estimation for Equilibria Data With Thermodynamic Consistency Metrics and Phase Stability
11:00	11:30	Coffee Break	
11:30	11:45	KN4-BE: Helena Gil Polymeric Biomaterials: Recent Developments	O-EN3: Preparation and optimization of transparent cuprous oxide photocathodes for allowing efficient solar water splitting
11:45	12:00		O-EN4: Temperature Influence in the Recombination Reaction of Dye-Sensitized Solar Cells
12:00	12:15	O-BE7: Stability evaluation of polymer-liposome complexes for drug delivery systems prepared with bacterial lipids	O-EN5: Power Generation by Reverse Electrodialysis: Directions for Future Development
12:15	12:30	O-BE8: Sustainable biosurfactants: Yeast conversion of lignocellulosic biomass into mannosylerythritol lipids	O-EN6: Production of renewable synthetic fuels from electricity using the ELECTROFUEL® concept
12:30	12:45	O-BE9: Phenylboronic Acid Chromatography: Validation and Scale-up of a Multi-modal Process for the Purification of Monoclonal Antibodies	O-EN7: Dairy industry effluent treatment and valorisation in a two chambered microbial fuel cell
12:45	14:00	Lunch Break	
14:00	15:00	PL4: Professor Nigel Slater, University of Cambridge, UK Biopolymer-mediated intracellular transport for drug delivery and human cell cryopreservation Auditorium	
15:00	15:15	KN5-BE: Joaquim Sampaio Cabral Bioengineering Strategies for Ex-vivo Cultivation and Purification of Stem Cells	O-EN8: Co-digestion of Sargassum sp. with glycerol and waste frying oil: optimization of the biomethane production using a design of experiments
15:15	15:30		O-EN9: Anaerobic Studies of Ethylic and Methylic Biodiesel and Impact on Benzene Biodegradation
15:30	15:45	O-BE10: Scalable expansion of neural stem cells supported in electrospun nanofiber scaffolds	O-EN10: Bioethanol Production From Sugar-rich Agro-Industrial Wastes
15:45	16:00	O-BE11: Enzyme Superactivity Induced by Ionic Liquids Aggregates as the Key for Boosting the Reactions Yield	O-EN11: Glucose Fermentation to Hydrogen by Thermophilic Mixed Culture
16:00	17:30	Posters & Coffee Break	
17:30	17:45	O-BE12: Detection and Discrimination of Microorganisms Using Locked Nucleic Acid - Fluorescence In Situ Hybridization (LNA-FISH)	O-CM3: Effect of an Additive on the Permanent Memory Effect of Polymer Dispersed Liquid Crystal Films
17:45	18:00	O-BE13: Yeasts identification in microfluidic devices through peptide nucleic acid fluorescence in situ hybridization (PNA-FISH)	O-CM4: Photopolymerized Polymethacrylate Resin for Thiocyanate/Phenol Separation
18:00	18:15	O-BE14: Extraction of Bovine Serum Albumin (BSA) by Aqueous Biphasic Systems (ABS) composed of Good's buffer ionic liquids	O-CM5: Preparation of hydroxyapatite nanodispersions in the presence of chitosan
18:15	18:30	O-BE15: Integral production and concentration of surfactin from Bacillus sp ITP-001 by semi-batch foam fractionation	O-CM6: The Alkalinity in Crosslinking of Hyaluronic Acid with Divinyl Sulphone Improves Properties of the Microparticles as Biomaterial
18:30	19:30	Special Session : The road to Hydrogen as an Energy Vector	
20:30	Conference dinner		

Poster Session II - BE & FP & EN

Chemicals and Materials - **CM**
Multi-scale Modeling and Simulation - **MS**
Sustainability and Environment - **SE**
Special Topic: Education and Society - **ST**

Biological Engineering - **BE**
Chemical Eng.Fundamentals and Practice - **FP**
Energy - **EN**