

Wednesday 6 September 2017

Plenary Session

Time: 17:30 – 19.45

Chaired by: Horia IOVU and Catinca SECUIANU

17:30 – 18:15

Adelina IANCULESCU (*University Politehnica of Bucharest, ROMANIA*)

Multifunctional perovskite oxides - The key of electroceramics

18:15 – 19:00

Mircea DINCA (*Massachusetts Institute of Technology: MIT, Cambridge, USA*)

Catalysis and charge transport in microporous metal-organic frameworks

19:00 – 19:45

Jean-Noel JAUBERT (*Ecole Nationale Supérieure des Industries Chimiques, Nancy, FRANCE*)

Carbon dioxide capture and storage (CCS) processes: influence of the thermodynamic model on performance calculations and sizing considerations

Thursday 7 September 2017

Plenary Session

Time: 08:30 – 13:15

Chaired by: Alina BADANOIU and Florina DUMITRU

08:30 – 09:15

Mihai BARBOIU (*Institut Européen des Membranes, Montpellier, FRANCE*)

Artificial water channels

09:15 – 10:00

Roland BAUMSTARK (*BASF SE, Ludwigshafen, GERMANY*)

All in all 25 years of experience in the fields of dispersions and paints

10:00 – 10:45

Helena GODINHO (*Faculty of Sciences and Technology of New University of Lisbon, PORTUGAL*)

Bio- and electrospun micro/nano filaments shapes and surface morphologies

Coffee Break

Time: 10:45 – 11:00

Chaired by: Raluca STAN and Daniela ISTRATI

11:00 – 11:45

Horia IOVU (*University Politehnica of Bucharest, ROMANIA*)

From polymer-based nanomaterials to bionanomaterials. UPB towards the Bioengineering Valley

11:45 – 12:30

Wolfgang SCHUHMANN (*Center for Electrochemical Sciences, Ruhr Universitat Bochum, GERMANY*)

From nanoelectrochemistry to electrocatalysis. Fundamental aspects of energy conversion

12:30 – 13:15

Craig FAULDS (*Aix-Marseille Université, FRANCE*)

Filamentous Fungi and their enzymes: a diverse tool for biomass deconstruction and product transformation

Friday 8 September 2017 – Morning Sessions

Plenary Session

Time: 09:00 – 13:15

Chaired by: Stefan VOICU and Catalin ZAHARIA

09:00 – 09:45

Peng DIAO (*School of Materials Science and Engineering, Beihang University, CHINA*)

WO₃-based composite nanomaterials for solar water splitting

09:45 – 10.30

Luc AVEROUS (*University of Strasbourg, FRANCE*)

Innovative thermoplastic polysaccharides from different resources

Coffee Break

Time: 10:30 – 11:00

Chaired by: Raluca ISOPESCU and Anton FICAI

11:00 – 11:45

Edward RÓJ (*New Chemical Syntheses Institute, Pulawy, POLAND*)

Supercritical fluid extraction - state and future trends

11:45 – 12:30

José SANCHEZ-MARCANO (*Institut Européen des Membranes, Montpellier, FRANCE*)

Modeling enzymatic membrane reactors

12:30 – 13:15

José M.F. FERREIRA (*University of Aveiro, CICECO, PORTUGAL*)

Chemistry issues behind the in vitro and in vivo performance of bone graft materials

Saturday 9 September 2017 – Morning Session

Plenary Session

Time: 09:00 – 12:00

Chaired by: Cristian PIRVU and Ileana RAU

09:00 – 09:45

Takao HANAWA (*Tokyo Medical and Dental University, Tokyo, JAPAN*)

Biofunctionalization of metals meeting clinical demand

09:45 – 10:30

Toshiyuki WATANABE (*Tokyo University of Agriculture and Technology, JAPAN*)

Photo induced domino effect isomerization of azobenzene in polyimide network

10:30 – 11:15

Rodica STOIAN (*Ronexprim, ROMANIA*)

Ronexprim - The most reliable Romanian partner of knowhow and technology transfer from technology producers to you

11:15 – 12:00

Vijay Kumar THAKUR (*Cranfield University, UK*)

Sustainable materials for a greener environment
