

ReGaLIs Autumn School

Santiago de Compostela. November 7th – 8th 2018

Faculty of Physics. Universidade de Santiago de Compostela

Wednesday, November 7

9:00 Welcome Reception

Chair: Óscar Rodríguez

9:15 Invited Talk 1. Three similar Ionic Liquids - a simulation study. Ruth M. Lynden-Bell. Cambridge University. UK.

9:45 ReGaLIs Talk 1: Ionic Liquids in separation processes of industrial interest. Héctor Rodríguez, USC

10:00 ReGaLIs Talk 2: Study of the birefringence of the ionic liquid 1-ethyl-3-methylimidazolium decylsulfate. Damián Rodríguez Fernández. USC

Chair: Julio A. Seijas

10:15 Invited Talk 2. Ionic Liquids as electrolytes for batteries. Leigh Aldous. Kings College. London. UK

10:45 Invited Talk 3: Accelerating the energy transition: Ionic liquids as tailored electrolytes perspective in sustainable energy systems. Renata Costa. Univ. Oporto

11:15 Invited Talk 4: Ionic liquids for ZnO electrodeposition. Mireille Turmine. UPMC-Sorbonne Université. Paris. France

11:45 Coffee Break

Chair: Juan José Parajó

12:15 Invited Talk 5. Ionic-liquid-based battery electrolytes: Influence of dynamic ion correlations on ion transport and Li^+ transference number. Bernhard Roling. University of Marburg. Germany

12:45 Invited Talk 6: Molecular Dynamics Simulations of Ion Transport in Polymer-Ionic Liquid Mixtures. Diddo Diddens. Forschungszentrum Jülich GmbH. Helmholtz-Institute Münster. Germany

13:15 ReGaLIs Talk 3: Ionic Liquids at the electrified interface: insights from molecular dynamics simulations. Adrián Montes Campos. Univ. Santiago de Compostela.

13:30 Lunch Break

Chair: María Villanueva

15:30 Invited Talk 7: From Ionic Liquids to Deep Eutectic Solvents. Isabel Marrucho
Instituto Superior Técnico, Lisboa.

16:00 ReGaLIs Talk 4: Design and synthesis of ionic liquids for specific applications.
Emilia Tojo. Univ. Vigo

16:15 ReGaLIs Talk 5: Graphene derivatives and ionic liquids as additives in synthetic
and mineral oils. Josefa Fernández. Univ. Santiago de Compostela.

16:30 ReGaLIs Talk 6: Isobaric heat capacities for aqueous solutions of ionic liquids.
Jacobo Troncoso. Univ. Vigo

Chair: Carmen Trasar-Cepeda

16:45 Invited Talk 8. Ecotoxicity and biodegradability of ionic liquids. Brezana Peric.
Univ. Barcelona.

17:15 ReGaLIs Talk 7. Photocatalytic degradation of ionic liquids. A green and effective
technique. Daniel Rodríguez Ramos. Univ. A Coruña

17:30 ReGaLIs Talk 8: Elimination of phenolic compounds from water using ionic
liquids. Olalla González Sas. Univ. Vigo

17:45 Coffee Break and Discussions.

Thursday, November 8

Chair: Manuel Vázquez Ramallo

10:00 Invited Talk 9: NMR methods for ionic liquids technology. Andrea Mele.
Politecnico di Milano. Italy.

10:30 Invited Talk 10: Electrified Interfaces and Ionic Liquids. Antonio Fernando Silva
Sousa. Univ. Oporto

11:00 ReGaLIs Talk 9: Voltammetry with Screen-Printed electrodes and redox probes
applied in tandem to Ionic Liquids characterization David Ausín. Univ. A Coruña

11:15 ReGaLIs Talk 10: Electrical conductivity in Ionic Liquids: what we know and
what we ignore. Óscar Cabeza . Univ. A Coruña.

11:30 Coffee Break

12:00 Students posters session

13:15 Conclusions, Posters awards and Closing.