



Mar del Norte
Hotel. San
Vicente do Mar



REDE GALEGA DE
LÍQUIDOS IÓNICOS
(REGALIS)



REGISTRATION FEE: 30 € for students belonging to any university. 50 € others.

ACCOMODATION: 100 € double room and lunch.

Two ways of participation:

- With Poster
- Without Poster

There will be 25 “Hotel and lunch” grants for each modality.

The best poster will win 100 € grant!

Contact: regalis@udc.es

Summer School on IONIC LIQUIDS

O Grove - Pontevedra
9th-12nd JUNE 2013



UNIVERSIDADE DA CORUÑA

Universidade de Vigo



XUNTA DE GALICIA
CONSELLERÍA DE CULTURA, EDUCACIÓN
E ORDENACIÓN UNIVERSITARIA



Chairman: Oscar Cabeza
Secretary: Esther Rilo
Organizing Committee:
Manuel M. Piñeiro; Josefa Salgado; Julio A. Seijas.
Scientific Committee:
Luis M. Varela; Josefa Fernández; Ana Soto;
Emilia Tojo; Jacobo Troncoso

<http://regalis.udc.es>

PROGRAM

SUNDAY, JUNE 9

19:00h- Registration
21:30h- Informal Dinner

MONDAY, JUNE 10

SESSION 1: INTRODUCTION TO IONIC LIQUIDS (ILs)

10:00h- *Ionic Liquids, an introduction.* Ken Seddon. Queen's University Belfast
11:00h- *Synthesis of ILs.* Emilia Tojo. UVigo
11:30h- Coffee break
12:00h- *Structure-property relationships on ILs.* Josefa Fernández. USC
12:30h- *Theoretical and computational aspects of ILs.* L. M. Varela. USC
13:00h- *Ionic liquids in the petrochemical industry.* O. Rodríguez. USC
13:30h - Lunch

SESSION 2: PHYSICAL PROPERTIES OF ILs

15:30h- *Ionic liquids as thermal fluids.* Thomas Schubert. IoliTech
16:30h- *Electrical conductivity in pure and mixed ILs.* Oscar Cabeza. UDC
17:00h- Coffee break
17:30h- *Viscosity and density of ILs under pressure.* Xavier Paredes. USC
18:00h- *Thermal properties of ILs.* Jacobo Troncoso. UVigo
18:30h- *Optical properties of ILs.* Elena López Lago. USC

TUESDAY, JUNE 11

SESSION 3: THEORY AND SIMULATION IN ILs

10:00h- *Interfacial effects in ionic liquids.* Maxim V. Fedorov. University of Strathclyde
11:00h- *MD simulations of ILs/lithium salts mixtures confined between graphene walls.* Trinidad Méndez Morales. USC
11:30h- Coffee break
12:00h- *Ionic liquids under confinement: a comparative monte carlo and molecular dynamics study.* Martín Pérez Rodríguez. UVigo
12:30h- *Application of group contribution schemes to thermophysical characterization of ionic liquids: recent advances and possible trends.* Manuel M. Piñero. UVigo
13:30h- Lunch

SESSION 4: APPLICATION OF ILs IN ORGANIC SYNTHESIS, TOXICITY AND BIODEGRADABILITY

15:30h- *Toxicity and biodegradability of ILs.* Stefan Stolte. University of Bremen
16:30h- *Application of ILs as solvents and catalyzers in organic synthesis.* Miguel Vilas. UVigo
17:00h- Coffee break
17:30h- *Ionic liquid-supported organic synthesis.* Yagamare Fall. UVigo
18:00h- *ILs and microwave assisted chemistry.* Julio Seijas Vázquez. USC
18:30h- *Effect of ILs on the histological organization of fishes.* Encarnación de Miguel. UVigo

WEDNESDAY, JUNE 12

SESSION 5: INDUSTRIAL APPLICATIONS OF ILs

09:30h- *Ionanofluids and their thermal properties.* C.A. Nieto de Castro. Universidade de Lisboa
10:30h- *ILs as lubricants and oil additives.* Josefa Fernández. USC
11:00h- Coffee break
11:30h- *Ionic liquids at the core of the biorefineries.* H. Rodríguez. USC
12:00h- *Elimination / abatement of persistent micropollutants using ILs.* Moisés Canle. UDC
12:30h- *Application of ILs in the nuclear industry.* Faustino Gómez. USC
13:00h- *Ionic liquids as absorbents for heat pumps of high performance: thermophysical characterization and modelling.* Josefa García Sánchez. UVigo
13:30h- Lunch
15:30h- Open round table between invited speakers and coordinators of investigation groups
18:30h- Conclusions and closing remarks