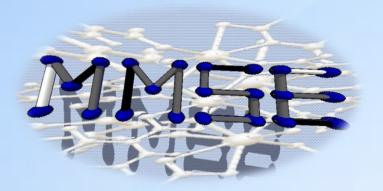
Centro de Química Estrutural – Instituto Superior Técnico – UL **IST-UL NMR Center — Portuguese NMR Network & IST Node of National MS Network** in collaboration with Centro de Ciências e Tecnologias Nucleares – Instituto Superior Técnico – UL



# **National Training Site Modern Methods of** Structure Elucidation - 2014

## 27<sup>th</sup> - 31<sup>st</sup> October 2014



## From theory to practice in

Solution and Solid-state NMR EPR spectroscopy Mass spectrometry X-ray diffraction

**Solution NMR methods in** structural analysis of (bio)organic and inorganic molecules

NMR interactions in solids & high resolution solid-state NMR

#### Format

**Theoretical & Hands-on sessions Case Studies Discussions in small groups Demonstrations of techniques** Participants' flash oral presentations **Book of Abstracts 3ECTS** 

#### **Invited speakers**

Ana Gil (UA) Filipe A. Paz (UA) **Isabel Correia (IST)** Maria do Rosário Domingues (UA) Marta Abrantes (IST) Pedro Sebastião (IST) **Teresa Santos Silva (UNL)** 

**Organizing Committee Alexandra M. Antunes (CQE-IST)** Vânia André (CQE-IST) Leonor Maria (C<sup>2</sup>TN-IST) Ana S. Ferreira (UNL/CQE-IST)

#### **Scientific Committee**

Sílvia Quaresma (CQE-IST)

**Conceição Oliveira (CQE-IST)** Joaquim Marçalo (C<sup>2</sup>TN-IST) João Paulo Telo (CQE-IST) José Ascenso (CQE-IST) **M. Teresa Duarte (CQE-IST) Teresa Nunes (CQE-IST)** 

**Hosted by CQE-IST** 

mmse@ist.utl.pt

http://cqe.ist.utl.pt/events/mmse/

#### (MAS, CP/MAS)

Introduction to mass spectrometry; applications of MS methods (ESI-MS)

X-ray diffraction techniques: single crystal and powder diffraction

**EPR spectroscopy in** characterization of organic and organometallic species

# **Registration dates**

July 1<sup>st</sup> – October 1<sup>st</sup>