

Conference Programme

Sunday 8 February

- 16:00 - 17:20 **Registration (Conference room lobby)**
- 17:30 - 17:40 **Opening Remarks**
- 17:40 - 19:00 **Session 1**
- 17:40 **Royce Murray**
Electrochemistry and Electron Transfer Chemistry of Nanoparticles
- 18:40 **Manel del Valle**
Biosensors based on different carbon nanotube electrode platforms
- 19:00 **Paul Millner**
amperometric and impedimetric reagentless immunosensors - letting the sensor construct itself
- 19:20 **Group dinner reception**
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Monday 9 February

- 09:00 - 10:10 **Session 2**
- 09:00 **Fraser Armstrong**
TBC
- 10:00 **Paolo Bertoncello**
2-(4-carboxyphenyl)(imidazo[4,5-f][1,10]phenanthroline)(1-adamantylamine)osmium(II): synthesis, assembly, and electrochemiluminescence characterization
- 10:20 - 10:50 **Informal discussion and refreshments**
- 10:50 - 12:30 **Session 3**
- 10:50 **Nongjian Tao**
TBC
- 11:50 **Juan Manuel Artes**
Direct measurement of the tunneling barrier of azurin by Electrochemical Tunneling Spectroscopy
- 12:10 **Emmanuel Iwuoha**
Dendrimeric gold-poly(propylene imine) electrochemical DNA nanobiosensor
- 12:30 - 13:30 **Group lunch**

- 16:30 - 18:00** **Session 4**
- 16:30** **Phil Bartlett**
Structured surfaces for electrochemical SERS
- 17:30** **Yuri Pleskov**
Electrochemistry of the Diamond-based and Diamond-like Nanocomposites
- 17:50** **Stephane Fierro**
Electrochemical oxidation of organic compounds on Ti/IrO₂ and Boron Doped Diamond (BDD) electrodes
- 18:10 - 19:30** **Poster Session**
- 19:30** **Dine-around (choice of hotel restaurant)**
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Tuesday 10 February

- 09:00 - 10:30** **Session 5**
- 09:00** **Henry White**
TBC
- 10:00** **Jorge Correia**
An ellipsometric study of PEDOT_h formation on Pt
- 10:20 - 10:50** **Informal discussion and refreshments**
- 10:50 - 12:30** **Session 6**
- 10:50** **Graciela González**
Electrochemical devices for biomolecular detection
- 11:10** **Fatima Montemor**
The synergistic combination of bis-silane and CeO₂.ZrO₂ nanoparticles on the electrochemical behaviour of galvanized steel in NaCl solutions
- 11:30** **Ladislav Kavan**
Promoting the activity of LiFePO₄ (olivine) cathode of Li-ion battery by supramolecular complexes with single walled carbon nanotubes
- 11:50 - 13:00** **Group lunch**

16:30 - 19:00 Session 7

16:30 Zhong-Qun Tian

Core-Shell Nanostructures for SERS and Electrochemistry

17:30 **Andre Leonide**

Performance simulation of an anode-supported SOFC by means of detailed impedance analysis

17:50 **Scott Barnett**

The Role of Solid Oxide Fuel Cell Microstructure In Determining Electrode Polarization Resistance

18:10 - 18:30 Informal discussion and refreshments

18:30 Hubert Girault

TBC

19:30 Group dinner

Wednesday 11 February

09:00 - 10:30 Session 8

09:00 Marc Koper

TBC

10:00 **Juan Mateo**

Comparison of the electrochemical oxidation and reduction of H over Pt (111) and Pt (110) surfaces: Direct molecular dynamics and density-functional theoretical

10:20 **Juan Santana**

DFT study of the electrochemical adsorption of sulfuric acid anions on Pt (111)

10:40 - 11:00 Informal discussion and refreshments

11:00 - 12:40 Session 9

11:00 Patrick Unwin

TBC

12:00 **Sviatlana Lamaka**

Novel all-solid-state ion-selective micro electrodes for localized potentiometric measurements

12:20 **Closing Comments**

12:40 Group lunch and departure
