

**XIV Iberic Meeting of
Electrochemistry**
**XVII Meeting of the Portuguese
Electrochemical Society**

11th-14th April 2012 - Funchal, Madeira Island - PORTUGAL



Indigenous laurel forest (Laurissilva) a UNESCO World Natural Heritage

PROGRAM

Wednesday, 11 of April

- Morning: Arrival**
- 17:00-18:30** Registration (Rectory Building-[Universidade da Madeira](#) (Near the City hall - downtown Funchal))
- 18:30-19:30** Welcome Cocktail (Rectory Building-[Universidade da Madeira](#) (Near the City hall - downtown Funchal))

Thursday, 12 of April

- 08:30-09:00** Registration ([CS Madeira Atlantic Resort & Sea Spa](#))
- 09:00-09:30** Opening Session
- 09:30-10:30** PL1: Victor M.M. Lobo – “Batteries and super-capacitors for electric vehicles”
- 10:30-11:00** Coffee Break
- 11:00-12:00**

Room A

- OC1:** Rui Neto – “Vanadium Redox Flow Cell Prototype Result”
- OC2:** Karel Vytřas – “Recent Investigations on Antimony-based Carbon Paste Electrodes in Stripping Electroanalysis”
- OC3:** Sorina Motoc – “Carbon-based Electrodes for Electrochemical Detection of Diclofenac”

Room B

- OC4:** Anamaria Baciú – “Silver Modified Carbon Nanotube-based Electrodes for Non-enzymatic Detection of Glucose”
- OC5:** Joanna Juhaniewicz – “ Studies on Electron Transfer Through Electroactive Peptides Self-assembled on Gold Electrode”

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OC6: Maciej Karaskiewicz – “Mediator-free, Compartmentless Biofuel Cell Based on Laccase Bioconjugates and Glucose Dehydrogenase”

12:00-12:30 KN1: Carlos Ruiz – “Asymmetric Activated Carbon-MnO₂ Supercapacitors in Protic Ionic Liquids”

12:30-13:00 KN2: Cristina Cordas – “Electrochemical Behavior of Superoxide Reductases Enzymes”

13:00-14:30 Lunch

14:30-15:30 PL2: Luis Gonçalves – “From Photovoltaics to Food Quality Passing by the Voltammetry of DNA” (*Young Research Prize SPE 2011*)

15:30-16:30

Room A

OC7: Yueh-Yuan Fang – “Control Atomic Ratio of Pt-Ir by Potentiostatic Electrodeposition”

OC8: Magali Camargo – “Electrodeposition of Zn-TiO₂ and Zn-SiO₂: Characterization of Dispersion Baths and Their Deposits”

OC9: Mikhail Zheludkevich – “Synergistic Corrosion Inhibition in Triple Galvanic Combinations”

Room B

OC10: Anca Mazare – “Influence of Anodizing Conditions and Morphology on the Electrochemical Behavior of Ti6Al7Nb TiO₂ nanotubes”

OC11: Javier Izquierdo – “In Situ Monitoring of the Electrochemical Reactivity of Ti-Mo and Ti-Ta Alloys for Biomedical Applications in Simulated Physiological Solution Using SECM”

OC12: Javier Molina – “Electrochemical Characterization of Conducting Fabrics”

16:30-18:00 Poster Session & Coffee Break

17:30-19:30 General Assembly of SPE – (Room A)

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Friday, 13 of April

9:00-10:00 PL3: Bing-Joe Hwang – “Novel $Ti_{0.7}M_{0.3}O_2$ Supports with Cocatalytic Functionality for Pt: Advanced Nanoelectrocatalysts for Fuel Cells”

10:00-11:00

OC13: Virginie Roche – “Apparent Potential-dependent CPE Behavior Caused by Geometry-induced Current and Potential Distributions”

OC14: Andrzej Sobkowiak – “Direct Electrochemical Transformations of Cholesterol”

OC15: Romana Sokolová – “On the Oxidation Mechanism of Flavonoids and their Stability under Ambient Conditions”

11:00-11:30 Coffee Break

11:30-12:00 KN3: Ari Ivaska – “Spectroelectrochemistry at Sensors and Sensor Materials”

12:00-12:30 KN4: Angela Molina – “Study of Multielectron Redox Processes by Cyclic Voltammetry and Square Wave Voltammetry at Disc and Spherical microelectrodes”

12:30-13:00 KN5: Carmen Rangel – “Effect of the Substrate on the Electrochemical Performance of $LaNiO_3$ Electrodes”

13:00-14:30 Lunch

15:00-18:30 Excursion (Free for all registered participants and registered accompanying persons)

18h30-19:30 Poster Session & Coffee break

20:00 Conference dinner (Free for all registered participants and registered accompanying persons)

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Saturday, 14 of April

09:00-10:00 PL4: Juan Miguel Feliu – “Electrocatalysis on Controlled Surfaces”

10:00-10:45

OC16: Marketa Zukalova – “Nanofibrous TiO₂-based Materials for Dye-sensitized Solar Cells and Other Applications

OC17: Manuel G. Jardim – “Synthesis and Electrochemical Characterization of Novel Octupolar Metallodendrimers”

10:45-11:15 Coffee Break

11:45-12:15 KN6: Ricardo Souto – “On the Use of Scanning Microelectrochemical Techniques to Monitor the Anti-corrosion Performance of Inhibitor Films Formed on Copper”

11:45-12:15 KN7: Raquel Oliveira – “Hydroxylation of Benzoic Acid by Electrochemical Generated Hydroxyl Radicals”

12:15-12:45 KN8: Aleksey Yaremchenko – “Cerium- and Praseodymium-Doped SrTiO₃ for Solid Oxide Fuel Cells Anodes: Redox Behavior and Electrochemical Performance”

12:45-13:00 Closing Session

13:00-14:30 Lunch and Departure