

Journal of Applied Electrochemistry Diary

(Finalised on 18 March 2005)

12–14 April 2005

Jordan

**1st Jordanian International Conference
of Materials Science & Engineering**

- Automotive materials
- Biomaterials, biocompatibility of materials and dental materials
- Composites, ceramics and nanotechnology
- Corrosion and protection of metals
- Electronic materials, semiconductors and superconductors
- Energy storage and fuel cells
- Extraction of metals
- Iron and steel technology, light metals and aerospace materials
- Manufacturing and casting
- Materials in petroleum, plastics and rubber technology
- Smart and shape memory materials
- Surface engineering

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10–12 May 2005

Shanghai, China

**5th Asian Conference on Electrochemistry
(ACEC 2005): Electrochemistry in the High Tech Era**

- Fundamental electrochemistry
- Nano electrochemistry
- Biological and organic electrochemistry
- Electroanalytical chemistry and electrochemical sensors
- Batteries, fuel cells and supercapacitors
- Electrochemical corrosion
- Electrodeposition and electroplating
- Environmental electrochemistry
- Electrochemical engineering
- Novel electrochemical techniques

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15–20 May 2005

Québec City, Canada

207th Meeting of the Electrochemical Society

The Electrochemical Society
10 South Main Street, Pennington
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Email: ecs@electrochem.org

<http://www.electrochem.org/meetings>

<http://www.electrochem.org/meetings/future/207/meeting.htm>

5–6 June 2005

Vilnius, Lithuania

Theodor Grotthuss Electrochemistry Conference

- Experimental and theoretical aspects of charge transfer at electrochemical interfaces
- Electrochemical materials science (corrosion, characterization of new materials)
- Nanoplatin and nanostructured materials

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12–17 June 2005

Las Vegas, Nevada, USA

**PBFC-2: 2nd International Conference on Polymer
Batteries and Fuel Cells**

- Lithium polymer electrolytes
- Proton polymer electrolytes
- Interfaces and electrodes
- Cell and system design

- Fuel processing
- Performance
- Market and applications
- New science and technology

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13–16 June 2005

**Grand Hotel Varna, St. Constantin and Elena near
 Varna, Bulgaria**
LABAT 2005 (Lead Acid Batteries) Conference

- VRLA batteries. AGM and gel technologies
- Oxygen cycle
- New battery applications
- Lead acid battery technology
- Lead-acid battery operation
- Novel, high power battery designs
- New materials and high-tech processes
- Battery recycling
- Fundamental science

Professor Detchko Pavlov
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 Mrs. Mariana Gerganska
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19–22 June 2005

Salzburg, Austria
1st International Congress on Ionic Liquids (COIL)

- Structure and theory
- Thermodynamics and physical data
- Electrochemistry and polymers
- Separations, synthesis and catalysis
- Industrial applications

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19–24 June 2005

Coimbra, Portugal
**ISE 3rd Spring Meeting on Bioelectrochemistry:
 Electrified Interface**
**XVIII International Symposium on
 Bioelectrochemistry and Bioenergetics**

- Electron transport in biosystems
- Biomembranes and model membranes
- Bioenergetics and signal transduction
- Photobioelectrochemistry
- Biosensors and bioelectronics
- Electric and magnetic effects
- Biocorrosion
- Biotechnology applications

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26–29 June 2005

Chemnitz, Germany
**13. Tagung Festkoerperanalytik/Solid State and
 Surface Analysis (FKA2005)**

- Tribology
- Nanotechnology
- Corrosion
- Catalysis
- Surface modification
- Structural and elemental analysis

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26–30 June 2005

University of Southampton, UK
**Electrochemistry Summer School: Instrumental
 Methods in Electrochemistry**

- Understanding electrode reactions and electrochemical techniques

- Theory, practice, applications, data presentation and analysis
- Lecture notes and CD provided
- Hands-on laboratory practicals
- A range of modern PC based instrumentation
- One-to-one discussions of electrochemical problems

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<http://www.soton.ac.uk/~gd/summerschool.html>

27 June 2005

Paris, France

9th International Symposium on the Passivation of Metals and Semiconductors and the Properties of Thin Oxide Layers

- Mechanisms of passivation at the nanometre scale
- Molecular approaches to the passivity of metals and semiconductors
- Growth of thin oxide films
- (Nano)Structure and composition of thin oxide films
- Electronic and mechanical properties of oxides
- Surface modifications for improved corrosion resistance and adhesion
- Oxidation at low and medium temperatures
- Passivity breakdown and initiation of localized corrosion
- Passivity issues in stress corrosion cracking and tribo-corrosion
- Passivation treatments in metal and semiconductor industries
- Passivity in high temperature water
- Functional applications of thin oxide films
- Magnetic and optical properties; sensing and biosensing
- Techniques for the study of ultra-thin oxide layers
- Modelling and simulation of passivation

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3–7 July 2005

Sydney, Australia

Connect 2005: Chemical Challenges to the 21st Century

- Inorganic electrochemistry
- Analytical electrochemistry
- Physical electrochemistry
- General electrochemistry

Email: edraci@edac.com
<http://www.pco.com.au/connect2005>

3–7 July 2005

Gyeongju, Korea

Carbon 2005 – An International Conference on Carbon: Frontier Materials for Well-Being and a Safe Earth

- Adsorption and surface science
- Clean energy storage
- Carbon nanomaterials
- Biomedical carbons
- Industrial carbons
- Novel carbons
- Porous materials and environmental applications
- Carbon science
- Novel and related carbon products

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4–8 July 2005

Kultur- und Kongresszentrum Luzern, Lucerne, Switzerland

Fuel Cell World 2005: Fuel Cell Mart – Application Oriented Presentation of Market-Ready Fuel Cell Technologies

in conjunction with:
3rd European PEFC Forum: Fundamentals, Materials, Systems, Applications
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5–8 July 2005

Edinburgh, UK

MC7: Functional Materials for the 21st Century

- Soft and molecular materials
- Solid state materials
- Nanomaterials
- Materials under extreme conditions
- Bio-inspired materials
- Materials for sustainable energy
- Biomaterials chemistry
- Molecular electronics

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6–8 July 2005

Max Planck Gesellschaft, Berlin, Germany

3rd Gerischer Symposium. Electrocatalysis: Theory and Experiment

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<http://www.uni-ulm.de/ge-symp>

1–3 September 2005

Rhodes Island, Greece

9CEST 2005: 9th International Conference on Environmental Science and Technology

- Environmental dynamics and pollution
- Sustainability, management and recycling
- Solid waste
- Water supply
- Ecological engineering and bioengineering
- Environmental restoration
- Risk analysis and wastes

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4–7 September 2005

Newcastle, UK

Electrochem 2005

- Nanoscale electrochemistry
- Bioelectrochemistry
- Electrochemistry and surface engineering
- Emerging areas
- Electroanalysis and sensors
- Green electrochemical technology
- Energy, fuel cells and batteries
- Theory, computation and simulation of materials

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4–8 September 2005

Instituto Superior Técnico, Lisbon, Portugal

European Corrosion Congress 2005

- Corrosion and scale inhibition
- High temperature corrosion in energy conversion and nuclear industries
- Environmentally sensitive fracture
- Surface science and mechanisms of corrosion and protection
- Corrosion education, computer applications & testing
- Control of marine corrosion for sustainable development
- Control and causes of microbiologically influenced corrosion
- Corrosion in concrete
- Corrosion in oil and gas production
- Coatings
- Failure cases and corrosion under insulation in the refinery industry
- Cathodic protection of buried structures
- Automotive corrosion
- Corrosion and tribo-corrosion phenomena in the automotive industry

Joao Fernandes
 EUROCORR 2005

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18–21 September 2005
Chester College, Chester, UK
Novel Applications of Surface Modification

- Adhesives
- Biocompatible surfaces, life and health sciences
- Corrosion
- Tribology, and bearings
- Sensors
- Renewable energies
- Optical Coatings
- MEMS
- Nanopatterning

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19–24 September 2005
Beijing, China
16th International Corrosion Congress

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<http://www.16ICC2005.com>
<http://www.cscp.org.cn>

23–24 September 2005
Kofu, Japan
4th International Fuel Cell Workshop 2005

- Polymer electrolyte fuel cells
- Stacks and systems
- Transportation, residential and portable applications

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25–30 September 2005
Busan, South Korea
56th ISE Meeting

- Analytical electrochemistry
- Bioelectrochemistry
- Electrochemical energy conversion and storage
- Electrochemical materials science
- Electrochemical process engineering and technology
- Molecular electrochemistry
- Physical electrochemistry
- Young Electrochemist Session
- Short Courses on electrochemical sensors and copper metallization

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3–5 October 2005
Toulouse, France
7th European Symposium on Electrochemical Engineering: Multiple Faces of Electrochemical Engineering

- Design and modelling of electrochemical devices
- Conversion and storage of energy
- Materials for electrodes, membranes, electrocatalysis, corrosion protection and design
- Synthesis, separation, refining, waste treatment, biochemistry and physiology
- Micro/nanotechnologies, local analysis, control and monitoring
- Non-aqueous media
- New applications of electrochemical engineering
- Social and economical impact of electrochemical engineering

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16–21 October 2005
Los Angeles, USA
208th Meeting of the Electrochemical Society

The Electrochemical Society
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<http://www.electrochem.org/meetings>
<http://www.electrochem.org/meetings/future/208/meeting.htm>

18–22 October 2005
Moscow, Russia
8th International Frumkin Symposium: Kinetics of Electrode Processes

- Fundamental aspects of electrochemistry
- Electrocatalysis and electrochemical energetics
- Electrochemistry of polymers and membranes
- Electrodeposition of nanostructures

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16 March 2006
University of Southampton, UK
Southampton Electrochemistry Research Conference

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7–12 May 2006
Colorado, Denver, USA
209th Meeting of the Electrochemical Society

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27 August–1 September 2006: Innovative Electrochemistry, Enterprising Science
Edinburgh, UK
57th Annual Meeting of the International Society of Electrochemistry

- Batteries and supercapacitors
- Computational electrochemistry
- Electroanalysis and sensors
- Enterprise and innovation
- *In situ* techniques
- Industrial electrochemistry and electrochemical technology
- Liquid–liquid electrochemistry
- Membranes and ion-conductive polymers
- Surface chemistry and dynamics of electrocatalysis
- Sustainable energy

<http://www.ise-online.org/ise/annmeet/annmeet.html>

24–28 September 2006
Perth, Australia
Interact 2006: Air, Water & Earth

<http://promaco.com.au/conference/2006/raci>

8–13 October 2006
Washington, DC, USA
210th Meeting of the Electrochemical Society

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1. NEWS ITEMS

Please send details of relevant meetings and other worthy news to the News Editor: Professor Frank C. Walsh, Electrochemical Engineering Group, School of Engineering Sciences, University of Southampton, Highfield, Southampton SO17 1BJ, UK. (Email: F.C.Walsh@soton.ac.uk).

2. BOOK REVIEWS

Subject areas relevant to the Journal's interests include: environmental electrochemistry, recycling and removal

of contaminants, batteries, fuel cells and electrochemical energy conversion, corrosion and protection of metals, electrosynthesis (of organics, inorganics, metals, alloys, polymers, ceramics and composites), electrocatalysis, photo- and semiconductor electrochemistry, electrochemical engineering and reactor design, electrode materials and coatings, electrochemical techniques, electrochemical sensors and monitors.

Publishers are invited to send copies of new books for review in this journal to Professor Frank C. Walsh, Electrochemical Engineering Group, School of Engineering Sciences, University of Southampton, Highfield, Southampton SO17 1BJ, UK. (Email: F.C.Walsh@soton.ac.uk).