216th ECS Meeting | Vienna, Austria | October 4-9, 2009

(as of December 09, 2008)

A — General Topics

A1 — General Student Poster Session
(All Divisions)
Organizers: M. Watanabe and V. Desai

A2 — Nanotechnology General Session
(All Divisions)
Organizers: C. Bock, J. Li, Z. F. Liu, and E. Traversa

A3 — Michael Faraday: The First Nanotechnologist? - An Invited Symposium
(All Divisions)
Organizers: R. Tweney, D. Misra, and K. Rajeshwar

A4 — Tutorials in Nanotechnology: Focus on Physical and Analytical Electrochemistry - An Invited Symposium
(All Divisions)
Organizers: H. De Long, R. Mantz, S. Minteer, and P. Trulove

B — Batteries, Fuel Cells, and Energy Conversion

B1 — Battery / Energy Technology Joint General Session
(Battery / Energy Technology)
Organizers: Z. Ogumi and S. R. Narayanan

B2 — Alkaline Electrochemistry in Fuel Cells
(Energy Technology / Physical and Analytical Electrochemistry / Battery)
Organizers: D. Chu, R. Mantz, and C. Wang

B3 — Dynamic Process Control and Optimization of Batteries Based on Modeling
(Battery / Industrial Electrochemistry and Electrochemical Engineering)
Organizers: V. R. Subramanian, P. Arora, and R. Spotnitz

B4 — Intercalation Compounds for Lithium Batteries
Battery / Energy Technology
Organizers: M. S. Whittingham, P. G. Bruce, C. M Julien, M. Rosa. Palacin, J. Prakash, and M. Thackeray

B5 - Rechargeable Lithium and Lithium Ion Batteries
(Battery)
Organizers: M. Winter, K. M. Abraham, D. Doughty, Z. Ogumi, and K. Zaghib

B6 — Novel Approaches for Energy Efficient Lighting and Electrochromics for Energy Efficiency 2
(Luminescence and Display Materials / Energy Technology)

Organizers: A. Setlur, K. Mishra, K. Zaghib, and C. M. Julien

B7 — Photovoltaics for the 21st Century 5
(Energy Technology / Dielectric Science and Technology / Electronics and Photonics)
Organizers: M. Tao, J. Brownson, P. Chang, C. Claeys, K. Kakimoto, K. Rajeshwar, M. Sunkara, and D. Yang

B8 — Proton Exchange Membrane Fuel Cells 9 (PEMFC 9)
(Energy Technology / Physical and Analytical Electrochemistry / Battery / Industrial Electrochemistry and Electrochemical Engineering)
Organizers:

Section A: T. Fuller, C. Hartnig, and V. Ramani, Illinois Institute of Technology, e-mail: ramani@iit.edu.
Section B: H. Uchida, H. A. Gasteiger, and S. Cleghorn
Section C: P. Strasser, T. Zawodzinski, D. Jones, and P. Shirvanian
Section D: T. Jarvi, P. Zelenay, C. Lamy, and P. Bele

B9 — Semiconductor Electrolyte Interface and Photoelectrochemistry
(Energy Technology / Physical and Analytical Electrochemistry)
Organizers: K. Rajeshwar, A. Ryan, and T. Zawodzinski

B10 — Solid Oxide Fuel Cells, Eleventh International Symposium (SOFC-XI)
(High Temperature Materials / Battery / Energy Technology)
Organizers: S. C. Singhal and H. Yokokawa

C — Biomedical Applications and Organic Electrochemistry

C1 — Organic and Biological Electrochemistry General Poster Session
(Organic and Biological Electrochemistry)
Organizer: J. Burgess

C2 — New Biomimetic Materials for Electrochemical Sensing
(Organic and Biological Electrochemistry / Sensor / Physical and Analytical Electrochemistry)
Organizers: C. Kranz, M. Bayachou, and H. De Long

C3 — Synthetic and Mechanistic Organic Electron Transfer Reactions
(Organic and Biological Electrochemistry / Physical and Analytical Electrochemistry)
Organizers: T. Fuchigami, G. Cheek, D. Evans, and F. Maran

D — Corrosion, Passivation, and Anodic Films

D1 — Corrosion General Session
(Corrosion)
Organizer: D. C. Hansen

D2 —- Coatings for Corrosion Protection
(Corrosion)
Organizers: G. Frankel, G. Grundmeier, H. McMurray, and T. Shinohara

D3 — Corrosion of Electronic and Magnetic Materials
(Corrosion)
Organizers: L. Garfias, A. Gebert, and N. Missert

D4 — High Temperature Corrosion and Materials Chemistry 8
(High Temperature Materials / Corrosion)
Organizers: E. Wuchina, J. Fergus, T. Markus, T. Maruyama, P. Massett, E. Opila, and D. Shifler

D5 — Surface Treatment for Biomedical Applications 2
(Electrodeposition / Corrosion / Sensor)
Organizers: S. Djokic, Z. Aguilar, D. C. Hansen, and S. Virtanen

D6 – Oxide Films
(Corrosion)
Organizers: P. Marcus, H. Terryn, and S. Fujimoto

E — Dielectric and Semiconductor Materials, Devices, and Processing

E1 — Analytical Techniques for Semiconductor Materials and Process Characterization 6
(Electronics and Photonics)
Organizers: B. Kolbesen, M. Bersani, C. Claeys, and L. Fabry

E2 —- Atomic Layer Deposition Applications 5
(Dielectric Science and Technology / Electronics and Photonics)
Organizers: S. De Gendt, S. F. Bent, A. Delabie, J. Elam, S. B. Kang, A. Londergan, and O. van der Straten

E3 — Cleaning Technology in Semiconductor Device Manufacturing 11
(Electronics and Photonics)
Organizers: J. Ruzyllo, P. Besson, T, Hattori, P. Mertens, and R. Novak

E4 — High Dielectric Constant Materials and Gate Stacks 7
(Dielectric Science and Technology / Electronics and Photonics)
Organizers: S. Kar, M. Houssa, H. Iwai, Landheer, D. Misra, and S. Van Elshocht

E5 — Processing, Materials and Integration of Damascene and 3D Interconnects
(Dielectric Science and Technology)
Organizers: J. Flake, O. Leonte, G. S. Mathad, P. Ramm, H. S. Rathore, and F. Roozeboom

E6 — One-Dimensional Nanoscale Electronic and Photonic Devices 3
(Electronics and Photonics / Sensor / Corrosion)
Organizers: L-J. Chou, G. Duesberg, S. Jin, J. Li, S. Roth, and Z. L. Wang

E7 — Organic Semiconductor Materials, Devices, and Processing 2
(Electronics and Photonics / Dielectric Science and Technology)
Organizers: M. J. Deen, D. Gundlach, B. Iniguez, H. Klauk, and K. Worhoff

E8 — First International Symposium on Semiconductor and Plasmonics-Active Nanostructures for Photonic Devices and Systems

(Electronics and Photonics)
Organizers: M. Gerhold, D. Rogers, F. Teherani, and Jian Xu

E9 — State-of-the-Art Program on Compound Semiconductors 51 (SOTAPOCS 51) and Wide-Bandgap Semiconductor Materials & Devices 10
(Electronics and Photonics / Sensor)
Organizers: E. Stokes, O. Ambacher, R. Goldhahn, J. Huang, G. Hunter, E. Kohn, C. O'Dwyer, and M. E. Overberg

E10 — ULSI Process Integration 6
(Electronics and Photonics)
Organizers: C. Claeys, S. Deleonibus, H. Iwai, J. Murota, and M. Tao, University of Texas, e-mail: mtao@uta.edu

F —- Electrochemical / Chemical Deposition and Etching

F1 — Current Trends in Electrodeposition, an Invited Symposium
(Electrodeposition)
Organizer: W. Schwarzacher

F2 — Electrodeposition of Nanoengineered Materials and Devices 3
(Electrodeposition)
Organizers: N. V. Myung, S. Brankovic, L. Deligianni, J. Mallett, E. J. Podlaha, J. F. Rohan, J. Talbot, N. J. Tao, and G. Zangari, University of Virginia, e-mail: e-mail: gz3e@virginia.edu

F3 — EuroCVD 17 and CVD 17
(High Temperature Materials / Dielectric Science and Technology / Electronics and Photonics)
Organizers: M. T. Swihart, R. Adomaitis, D. Barreca, C. Claeys, and K. Worhoff

F4 — Fundamentals of Electrochemical Growth: From UPD to Microstructures – Symposium in Memory of Prof. Evgeni Budevski
(Electrodeposition)
Organizers: S. R. Brankovic, P. Allongue, M. Innocenti L. Peter, N. Vasiljevic, and G. Zangari, University of Virginia, e-mail: gz3e@virginia.edu

F5 — Semiconductors, Metal Oxides, and Composites: Metallization and Electrodeposition of Thin Films and Nanostructures
(Electrodeposition)
Organizers: G. Oskam, J. Fransaer, X. Shao, and P. M. Vereecken, IMEC, Nano group, e-mail: Philippe.Vereecken@imec.be

H — Fullerenes, Nanotubes, and Carbon Nanostructures

H1 — Carbon Nanotubes and Nanostructures: From Fundamental Properties and Processes to Applications and Devices
(Fullerenes, Nanotubes, and Carbon Nanostructures / Dielectric Science and Technology)

Organizers: R. B. Weisman, S. De Gendt, M. Kappes, M. Meyyappan, and M. Prato, University of Trieste, e-mail: prato@units.it

H2 — Nanostructure and Function of Fullerenes
(Fullerenes, Nanotubes, and Carbon Nanostructures)
Organizers: N. Martin, D. M. Guldi, A. Hirsch, and J. F. Nierengarten

I — Physical and Analytical Electrochemistry

I1 — Physical, Electroanalytical and Bioanalytical Electrochemistry
(Physical and Analytical Electrochemistry)
Organizers: P. Kulesza, M. Fojta, A. Kuhn, S. Minteer, and Z. Stojek

I2 — Electrochemistry: Symposium on Interfacial Electrochemistry in Honor of Brian E. Conway
(Physical and Analytical Electrochemistry / Energy Technology / Battery / Corrosion / Electrodeposition)
Organizers: B. MacDougall, C. Bock, E. Gileadi, S. Gottesfeld, D. Harrington, J. Leddy, W. Lorenz, B. Scrosati; S. Trasatti, and S. Morin

I3 — Physical and Analytical Electrochemistry in Ionic Liquids
(Physical and Analytical Electrochemistry)
Organizers: P. C. Trulove, H. C. De Long, and R. A. Mantz

J — Sensors and Displays: Principles, Materials, and Processing

J1 — Sensors, Actuators, and Microsystems General Session
(Sensor)
Organizers: R. Mukundan, Z. Aguilar, M. Carter, P. Hesketh, and M. Josowicz

J2 — Impedance Techniques: Diagnostics and Sensing Applications
(Sensor / Physical and Analytical Electrochemistry / Corrosion / Industrial Electrochemistry and Electrochemical Engineering)
Organizers: V. Lvovich, D. C. Hansen, M. E. Orazem, B. Tribollet, and P. Vanysek

J3 — Smart Sensing and Sensor Networks for Independent Living, Medical, Industrial, and Aerospace Applications
(Sensor)
Organizers: G. Hunter, W. J. Buttner, J. Li, A. Simonium, J. R. Stetter, and U. Weimar

J4 — Physics and Chemistry of Luminescence Materials, W. M. Yen Memorial Symposium
(Luminescence and Display Materials)
Organizers: U. Happek, J. Collins, D. Lockwood, and A. M. Srivastava