

# ECS Transactions

## Volume 35—Montréal, Canada

from the ECS Montréal meeting, May 1—May 6, 2011

The following issues of ECS Transactions are from symposia held during the Montréal meeting. All issues are available in electronic (PDF) editions, which may be purchased by visiting <http://ecsd.org/ECST/>. Some issues are also available in hard-cover, soft-cover, or CD-ROM editions. Please visit the ECS website for all issue pricing and ordering information.  
(All prices are in U.S. dollars; M = ECS member price; NM = nonmember price.)

### Available Issues

**Vol. 35 Solid Oxide Fuel Cells 12 (SOFC-XII)**  
**No. 1** SC.....M \$212.00, NM \$265.00  
CD-ROM (+USB).....M \$212.00, NM \$265.00  
PDF.....M \$192.39, NM \$240.49

**Vol. 35 Silicon Compatible Materials, Processes, and Technologies for Advanced Integrated Circuits and Emerging Applications**  
**No. 2** HC.....M \$100.00, NM \$125.00  
PDF.....M \$90.60, NM \$113.25

**Vol. 35 Graphene, Ge/III-V, Nanowires and Emerging Materials for Post-CMOS Applications 3 -and- Tutorials in Nanotechnology: Dielectrics in Nanosystems**  
**No. 3** HC.....M \$111.00, NM \$139.00  
PDF.....M \$100.97, NM \$126.21

**Vol. 35 Silicon Nitride, Silicon Dioxide, and Emerging Dielectrics 11**  
**No. 4** HC.....M \$133.00, NM \$166.00  
PDF.....M \$121.01, NM \$151.26

**Vol. 35 Advanced Semiconductor-on-Insulator Technology and Related Physics 15**  
**No. 5** HC.....M \$111.00, NM \$139.00  
PDF.....M \$100.97, NM \$126.21

**Vol. 35 Wide Bandgap Semiconductor Materials and Devices 12**  
**No. 6** SC.....M \$92.00, NM \$115.00  
PDF.....M \$83.69, NM \$104.61

**Vol. 35 Bioelectronics, Biointerfaces, and Biomedical Applications 4**  
**No. 7** SC.....M \$74.00, NM \$93.00  
PDF.....M \$58.46, NM \$73.07

**Vol. 35 Processes at the Semiconductor-Solution Interface 4**  
**No. 8** SC.....M \$80.00, NM \$100.00  
PDF.....M \$63.61, NM \$79.51

**Vol. 35 The Gordon E. Moore Medal for Outstanding Achievement in Solid State Science and Technology Award Presentation – 219th ECS Meeting**  
**No. 9** SC.....M \$28.00, NM \$35.00  
PDF.....M \$12.00, NM \$15.00

**Vol. 35 Nanotechnology (General) – 219th ECS Meeting**  
**No. 10** SC.....M \$45.00, NM \$57.00  
PDF.....M \$29.23, NM \$36.54

**Vol. 35 Electrochemistry and Climate Change**  
**No. 11** SC.....M \$34.00, NM \$42.00  
PDF.....M \$17.74, NM \$22.18

**Vol. 35 Direct Alcohol Fuel Cells**  
**No. 12** SC.....M \$34.00, NM \$42.00  
PDF.....M \$17.74, NM \$22.18

**Vol. 35 Electrolytes for High Voltage Cathodes – Solids and Liquids**  
**No. 13** SC.....M \$28.00, NM \$35.00  
PDF.....M \$12.00, NM \$15.00

**Vol. 35 Microstructure, Mechanisms, and Modeling of Battery Materials**  
**No. 14** SC.....M \$39.00, NM \$49.00  
PDF.....M \$23.49, NM \$29.36

**Vol. 35 Organic and Biological Electrochemistry (General) – 219th ECS Meeting**  
**No. 15** SC.....M \$28.00, NM \$35.00  
PDF.....M \$12.00, NM \$15.00

**Vol. 35 Recent Progress in Synthetic and Mechanistic Organic Electrochemistry**  
**No. 16** SC.....M \$37.00, NM \$46.00  
PDF.....M \$20.62, NM \$25.77

**Vol. 35 Corrosion (General) – 219th ECS Meeting**  
**No. 17** SC.....M \$54.00, NM \$67.00  
PDF.....M \$37.85, NM \$47.31

**Vol. 35 Nanocrystal Embedded Dielectrics for Electronic and Photonic Devices**  
**No. 18** SC.....M \$48.00, NM \$60.00  
PDF.....M \$32.10, NM \$40.13

**Vol. 35 Organic Semiconductor Materials, Devices, and Processing 3**  
**No. 19** SC.....M \$31.00, NM \$39.00  
PDF.....M \$14.87, NM \$18.59

**Vol. 35 Plasma Processing 18**  
**No. 20** SC.....M \$37.00, NM \$46.00  
PDF.....M \$20.62, NM \$25.77

**Vol. 35 Electrodeposition for Energy Applications 2**  
**No. 21** SC.....M \$54.00, NM \$67.00  
PDF.....M \$37.85, NM \$47.31

**Vol. 35 Surfactant and Additive Effects on Thin Film Deposition and Particle Growth**  
**No. 22** SC.....M \$34.00, NM \$42.00  
PDF.....M \$17.74, NM \$22.18

**Vol. 35 Industrial Electrochemistry and Electrochemical Engineering (General) - 219th ECS Meeting**  
**No. 23** SC.....M \$31.00, NM \$39.00  
PDF.....M \$14.87, NM \$18.59

**Vol. 35 Characterization of Porous Materials 3**  
**No. 24** SC.....M \$34.00, NM \$42.00  
PDF.....M \$17.74, NM \$22.18

**Vol. 35 Fullerenes, Nanotubes, and Carbon Nanostructures - 219th ECS Meeting**  
**No. 25** SC.....M \$78.00, NM \$97.00  
PDF.....M \$65.62, NM \$82.02

**Vol. 35 Bioelectrocatalysis**  
**No. 26** SC.....M \$42.00, NM \$53.00  
PDF.....M \$26.36, NM \$32.95

**Vol. 35 Computational Electrochemistry**  
**No. 27** SC.....M \$34.00, NM \$42.00  
PDF.....M \$17.74, NM \$22.18

**Vol. 35 Electrocatalysis 5**  
**No. 28** SC.....M \$54.00, NM \$67.00  
PDF.....M \$37.85, NM \$47.31

**Vol. 35 Grahame Award Symposium and Physical and Analytical Electrochemistry (General) – 219th ECS Meeting**  
**No. 29** SC.....M \$39.00, NM \$49.00  
PDF.....M \$23.49, NM \$29.36

**Vol. 35 Sensors, Actuators, and Microsystems (General) – 219th ECS Meeting**  
**No. 30** SC.....M \$72.00, NM \$90.00  
PDF.....M \$55.88, NM \$69.85

**Vol. 35 Student Posters (General) – 219th ECS Meeting**  
**No. 31** SC.....M \$56.00, NM \$71.00  
PDF.....M \$40.42, NM \$50.53

**Vol. 35 Batteries and Energy Technology (General) – 219th ECS Meeting**  
**No. 32** SC.....M \$94.00, NM \$117.00  
PDF.....M \$85.42, NM \$106.77

**Vol. 35 Metal/Air, Metal/Sulfur, and Metal/Water Batteries**  
**No. 33** SC.....M \$42.00, NM \$53.00  
PDF.....M \$26.36, NM \$32.95

**Vol. 35 Nanostructured Materials for Energy Storage and Conversion**  
**No. 34** SC.....M \$45.00, NM \$57.00  
PDF.....M \$29.23, NM \$36.54

**Vol. 35 Sensors for Biomedical Applications**  
**No. 35** SC.....M \$94.00, NM \$117.00  
PDF.....M \$85.42, NM \$106.77

**Vol. 35 Nanostructured and Functionalized Electroactive Polymer Films and Related Materials 2**  
**No. 36** SC.....M \$34.00, NM \$42.00  
PDF.....M \$17.74, NM \$22.18

**Vol. 35 Electrosynthesis and Electrochemical Processes, in Honor of W. Ves Childs**  
**No. 37** SC.....M \$34.00, NM \$42.00  
PDF.....M \$17.74, NM \$22.18

### Ordering Information

To order any of these recently-published titles, please visit the ECS Digital Library, <http://ecsd.org/ECST/>

Email: [customerservice@electrochem.org](mailto:customerservice@electrochem.org)

# ecst transactions

## Volume 41—Boston, Massachusetts

from the ECS Boston meeting, October 9—October 14, 2011

The following issues of ECS Transactions are from symposia held during the Boston meeting. All issues are available in electronic (PDF) editions, which may be purchased by visiting <http://ecsd.org/ECST/>. Some issues are also available in hard-cover, soft-cover, or CD-ROM editions. Please visit the ECS website for all issue pricing and ordering information.  
(All prices are in U.S. dollars; M = ECS member price; NM = nonmember price.)

### Available Issues

**Vol. 41 Polymer Electrolyte Fuel Cells 11**  
**No. 1** CD-ROM (+USB).....M \$212.00, NM \$265.00  
PDF.....M \$192.39, NM \$240.49

**Vol. 41 Atomic Layer Deposition Applications 7**  
**No. 2** HC.....M \$100.00, NM \$125.00  
PDF.....M \$90.60, NM \$113.25

**Vol. 41 Physics and Technology of High-k Materials 9**  
**No. 3** HC.....M \$114.00, NM \$143.00  
PDF.....M \$103.83, NM \$129.79

**Vol. 41 Photovoltaics for the 21st Century 7**  
**No. 4** HC.....M \$114.00, NM \$143.00  
PDF.....M \$103.83, NM \$129.79

**Vol. 41 Semiconductor Cleaning Science and Technology 12**  
**No. 5** HC.....M \$100.00, NM \$125.00  
PDF.....M \$90.60, NM \$113.25

**Vol. 41 State-of-the-Art Program on Compound Semiconductors 53 (SOTAPCS 53)**  
**No. 6** HC.....M \$96.00, NM \$120.00  
PDF.....M \$87.14, NM \$108.93

**Vol. 41 ULSI Process Integration 7**  
**No. 7** HC.....M \$105.00, NM \$132.00  
PDF.....M \$95.78, NM \$119.73

**Vol. 41 Gallium Nitride and Silicon Carbide Power Technologies**  
**No. 8** HC.....M \$114.00, NM \$143.00  
PDF.....M \$103.83, NM \$129.79

### Forthcoming Issues

If you would like to receive information on any of these issues when they become available, please email [ecst@electrochem.org](mailto:ecst@electrochem.org). Please include your name, full mailing address, e-mail address, and all issues in which you are interested.

**BOS A0** Special Lectures - 220th ECS Meeting  
**BOS A1** Student Posters (General) - 220th ECS Meeting  
**BOS A2** Nanotechnology (General) - 220th ECS Meeting  
**BOS A3** Electrochemical Energy Summit - An International Summit in Support of Societal Energy Needs  
**BOS A4** Grand Challenges in Energy Conversion and Storage  
**BOS A5** Pioneering Women in Electrochemistry  
**BOS B1** Batteries and Energy Technology (General) - 220th ECS Meeting  
**BOS B2** Battery Safety and Abuse Tolerance  
**BOS B3** Challenges for Transportation Batteries  
**BOS B4** Electrochemical Utilization of Solid Fuels  
**BOS B5** Electrochemical Capacitors: Fundamentals to Applications  
**BOS B6** Intercalation Compounds for Rechargeable Batteries  
**BOS B7** Large Scale Energy Storage for Smart Grid Applications  
**BOS B8** Lead-Acid Batteries and Capacitors, New Designs, and New Applications  
**BOS B9** Mathematical Modeling of Lithium Ion Batteries and Cells  
**BOS B11** Rechargeable Lithium and Lithium Ion Batteries

**BOS B12** Electrochemical Processes for Fuels  
**BOS D1** Corrosion Posters (General) - 220th ECS Meeting  
**BOS D2** Coatings for Corrosion Protection  
**BOS D3** Corrosion on Land, Sea, and Air  
**BOS D4** Critical Factors in Localized Corrosion 7  
**BOS D5** High Temperature Corrosion and Materials Chemistry 9 - A Symposium in Honor of Professor Robert A. Rapp  
**BOS D6** Where Metals Meet Human Tissue  
**BOS E1** Solid State Topics (General) - 220th ECS Meeting  
**BOS E5** Processing Materials of 3D Interconnects, Damascene and Electronics Packaging  
**BOS F1** Current Trends in Electrodeposition - An Invited Symposium  
**BOS F2** Electrodeposition of Nanoengineered Materials and Devices 4  
**BOS F3** Fundamentals of Electrochemical Growth: From UPD to Microstructures 2  
**BOS F4** Semiconductors, Metal Oxides, and Composites: Metallization and Electrodeposition of Thin Films and Nanostructures 2  
**BOS G1** Industrial Electrochemistry and Electrochemical Engineering (General) - 220th ECS Meeting

**BOS G2** Nanostructured Materials: Chemistry & High-Temperature Applications  
**BOS H1** Carbon Nanotubes and Nanostructures: From Fundamental Properties and Processes to Applications and Devices  
**BOS I1** Physical and Analytical Electrochemistry (General) - 220th ECS Meeting  
**BOS I3** Bioelectroanalysis  
**BOS I4** Electrochemistry at Nanoscale Dimensions 2  
**BOS I7** Physical and Analytical Electrochemistry in Ionic Liquids 2  
**BOS J1** Sensors, Actuators, and Microsystems (General) - 220th ECS Meeting  
**BOS J2** Impedance Techniques: Diagnostics and Sensing Applications  
**BOS J3** Luminescence and Display Materials: Fundamentals and Applications  
**BOS J6** Sensors Based on Fluorescence, SERS, SPR, and Photoelectrochemistry

### Ordering Information

To order any of these recently-published titles, please visit the ECS Digital Library, <http://ecsd.org/ECST/>

Email: [customerservice@electrochem.org](mailto:customerservice@electrochem.org)