

NEWS

**Calendar**

<i>Date, venue</i>	<i>Meeting/topic</i>	<i>Organizer</i>
4-7 April 1989 Berlin Federal Republic of Germany	Workshop on Electrochemical Processing of Semiconductors	Prof. Dr. W. Plieth, Free University of Berlin, Institute of Physical Chemistry, Takustrasse 3, D-1000 Berlin 33, Federal Republic of Germany
10-12 April 1989 Coventry, UK	RSC Electrochemistry Group Spring Informal Meeting	Dr J. Robinson, Physics Department <i>or</i> Dr. P. N. Barlett, Chemistry Department, University of Warwick, Coventry CV4 7AL, UK
11-13 April 1989 Loughborough, UK	Electrochemical Engineering – mass transfer – cell modelling and design – energy conversion/fuel cells – process economics – industrial electrochemical processes – metal finishing – corrosion protection	Professor N. J. Hampson, Chemistry Department, Loughborough University, Loughborough, Leicestershire LE11 3TU, UK
12-14 April 1989 Loughborough, UK	International Symposium on Electroanalysis in Biochemical, Environmental and Industrial Sciences (RSC Electroanalytical Group)	Dr. A. Fogg, Chemistry Department, Loughborough University, Loughborough, Leicestershire LE11 3TU, UK
17-21 April 1989 Assisi, Italy	7th Euchem Conference on Electrochemistry: Molecular Electrochemistry	Prof. E. Vianello, Departimento di Chimica Fisica, Via Loredan 2, I-35131, Padova, Italy
7-12 May 1989 Los Angeles, USA	175th Electrochemical Society Meeting *Batteries/energy *Corrosion – biological – biomedical sensors – environmental analysis – amorphous materials – high T <sub>c</sub> superconductors – Photovoltaics VII – conducting polymers – semiconductor/electrolyte – interfacial diffusion in oxides – high T corrosion – electrodes for industrial processes – hydrogen production & storage – <i>in vivo</i> electroanalysis – electroorganic processes – electrocatalysis – <i>in situ</i> techniques – molecular electronics – novel electrochemical media – separators + membranes	Electrochemical Society Inc, 10 South Main St, Pennington, New Jersey 08534-2896, USA
22-26 May 1989 Bombannes (Carcans), France	1st International Symposium on electrochemical impedance spectroscopy	Dr Claude Gabrielli, LP 15 du CNRS, Université Paris VI, Tour 22 – 5eme Etage, 4, place Jussieu, 75252 Paris Cedex 05, France

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29 May–2 June 1989 Trondheim, Norway	8th International Course on Process Metallurgy of Aluminium	Course Secretariat, Institute of Inorganic Chemistry, N-7034 Trondheim, Norway
29 May–2 June 1989 Varna, Bulgaria	International Workshop on Lead-acid Batteries	Prof. Dr. D. Pavlov, Central Laboratory of Electrochemical Power Sources, Bulgarian Academy of Sciences, 1040 Sofia, Bulgaria
31 May–2 June 1989 Geneva, Switzerland	7th International Conference on Ion & Plasma Assisted Techniques	IPAT Secretariat, CEP Consultants Ltd, 26–28 Albany Street, Edinburgh EH1 3QH
4–8 June 1989 Richmond, Virginia, USA	International Symposium on Charge & Field Effects in Biosystems – electron transport in biosystems – ion & electron transport in biological membranes – electrochemical & magnetic effects on biosystems – photo-induced bioelectrochemical processes – practical applications of bioelectrochemical technology	Professor M. J. Allen, Biophysical Laboratory, Department of Chemistry, Virginia Commonwealth University, P.O. Box 2006, Richmond, Virginia 23284, USA
13–16 June 1989 Marseille, France	Electrochemical Society European Workshop on the Electrodeposition of Metals	Dr. J. Vanhumbecq, c/o Siemens, Siemenslaan 1, B8020 Oostkamp, Belgium
14–16 June 1989 Siena, Italy	2nd International Symposium on Polymer Electrolytes	Professor B. Scrosati, Dipartimento di Chimica, Universita Degli Studi di Roma, La Sapienza, Piazzale Aldo Moro, 00185 Roma, Italy
18–22 June 1989 Rovinj, Yugoslavia	XIth Yugoslavian Symposium on Electrochemistry	Dr. M. Metikos-Hukovic, Dept. of Electrochemistry, Faculty of Technology, Savska Cesta 16/1, 41000 Zagreb, Yugoslavia
26–28 June 1989 Stratford-upon-Avon, UK	2nd International Conference on Cathodic Protection ICorrST/SCI/CEA	Global Corrosion Consultants, Suite 6, Hazledine House, Telford TF3 4JL, UK
2–7 July 1989 Southampton, UK	Instrumental Methods in Electrochemistry – Introduction to theory and practical workshop	Dr. S. J. D. Tait, Dept. of Chemistry, University of Southampton, Southampton SO9 5NH, UK
9–21 July 1989 Viana do Castelo, Portugal	NATO-ASI Electrochemical and Optical Techniques for the Study and Monitoring of Metallic Corrosion	Prof. Mario G. S. Ferreira, Department of Chemical Engineering, Instituto Superior Técnico, 1096 Lisboa Codex, Portugal Tel. 351-1 804589 Telex 63423 Istutl P.
17–28 July 1989 Bahia Blanca, Argentina	4th Latinoamerican Course on Electrochemical Engineering	Professor C. E. Mayer, Dto. Quimica e Ingenieria Quimica, Av. Alem 1253, 8000 Bahia Blanca, Argentina

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6–11 August 1989 Jerusalem, Israel	XX, ICSC, International Conference on Solution Chemistry	Secretariat, XX ICSC, P.O. Box 50006, Tel Aviv 61500, Israel
11–13 September 1989 Oxford, UK	Charge transfer in polymeric systems	Professor W. J. Albery, Chemistry Department, Imperial College, London SW7 2AZ, UK
17–22 September 1989 Kyoto, Japan	40th ISE Meeting New materials and new technology in electrochemistry	Professor Yoshizawa, c/o Secretariat of the 40th ISE Meeting, Kyoto International Conference Hall, Taraike, Sakyo-ku, Kyoto 606, Japan
24–28 September 1989 Sapporo, Hokkaido, Japan	6th International Symposium on Passivation	Professor N. Sato, Electrochemistry Laboratory, Faculty of Engineering, Hokkaido University, Kita-ku, Sapporo 060, Japan
2–6 October 1989 Utrecht, The Netherlands	9th European Corrosion Congress	Congress Bureau, Royal Netherlands Industries Fair, PO Box 8500, 3503 RM Utrecht, The Netherlands
15–20 October 1989 Hollywood, Florida, USA	176th Electrochemical Society Meeting *Batteries – Ni, Zn, polymers – <i>in situ</i> electrode studies *Corrosion – current distribution, electronic materials, colloids – electrodeposition – dielectrics & insulation *Electrodeposition – magnetic materials – low T molten salts – amorphous alloys *Energy – conversion & storage – fuel cells & batteries *High T materials – ceramics – composite electroceramics, SiC *Batteries – high T solid fuel cell materials *Physical electrochemistry – computers & AI – electrochromic materials – high speed methods *Sensors – materials, processing – fundamental processes	Electrochemical Society Inc, 10 South Main St, Pennington, New Jersey 08534-2896, USA
27–30 October 1989 Beijing, China	3rd Beijing Conference (and exhibition) on Instrumental Analysis	General Service Office, Third BCEIA, Beijing Exhibition Centre Hotel, Beijing 100044, China
14–16 November 1989 Madras, India	4th International Symposium Frontiers of Electrochemistry (Science & Technology)	The Secretary, Society for Advancement of Electrochemical Science & Technology, Karaikudi – 623006, India

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2-6 April 1990 Florence, Italy	11th International Corrosion Conference	Dr. F. Pieragostini, AIM General Secretary, Piazzale Rodolfo Morandi 2, I-20121 Milano, Italy
6-11 May 1990 Montreal, Quebec, Canada	177th Electrochemical Society Meeting *Batteries *Corrosion – High T materials *Energy Technology – composite media – materials processing in space – electrodeposition of refractory ceramic composites <i>High T materials</i> – interfacial or grain boundary phenomena – clusters <i>/Batteries</i> <i>/Sensors</i> – micro, ionic *Industrial Electrolytic – electrochemical engineering *Organic & Biological Electrochem. – mechanisms <i>/Energy Technology</i> – lignin and phenolic compounds <i>/Physical Electrochemistry</i> – organic colloidal systems – kinetics of interfacial processes – mechanistic aspects of inorganic & organometallic electrochemistry <i>/Sensors</i> – in vivo & biosensors *Physical electrochemistry – modified electrodes – nuclear methods <i>/High T materials</i> <i>Molten Salts Symposium</i> *Sensors Symposium – sensors for chemical industry	Electrochemical Society Inc, 10 South Main St, Pennington, New Jersey 08534-2896, USA
9-11 July 1990 Southampton, UK	Electrosynthesis, SCI/RSC Electrochemistry Group	Dr. D. Pletcher, Chemistry Department, Southampton University, Southampton SO9 5NH, UK
7-11 August 1990 Changchun, China	Changchun International Symposium on Analytical Chemistry	Prof. Qinhan Jin, Dept. of Chemistry, Jilin University, Changchun China
20-25 August 1990 Prague, Czechoslovakia	41st ISE Meeting Joint Meeting with J. Heyrovsky Centennial Congress – polarography – charge transfer – molecular electrochemistry – non-metallic electrodes – energy conversion	Dr Z. Samec, Secretary, J. Heyrovsky Institute of Physical Chemistry and Czechoslovak Academy of Sciences, Vlaská 9, 11840 Praha 1, Czechoslovakia
4-7 June 1991 London, UK	International Chlorine Symposium SCI	Society of Chemical Industry, 14/15 Belgrave Square, London SW1X 8PS, UK
25-30 August 1991 Zurich, Switzerland	42nd ISE Meeting	Dr O. Dossenbach, Technisches-chemisches Labor, ETH Zentrum, CH-8092 Zurich, Switzerland

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August or September 1992 Argentina	43rd ISE Meeting	Prof. A. J. Arvia INIFTA, Casilla de Correo 16, Sucursal 4 (1900) La Plata, Argentina
August or September 1993 Federal Republic of Germany	44th ISE Meeting	Prof. J. W. Schultze, Inst. für Physikal. Chem. II, Universität Dusseldorf, Universitätsstrasse 1, D-4000 Dusseldorf 1, Federal Republic of Germany

Please send details of relevant meetings and other worthy news to the News Editor.

## NEWS ITEMS

### EUROPEAN SURVEY OF R&D IN ELECTROCHEMICAL ENGINEERING

The Working Party on Electrochemical Engineering of the European Federation of Chemical Engineering has prepared a Survey of Research and Development in Electrochemical Engineering in European universities and polytechnics. This survey contains 110 entries and is published by the Dechema Institute, Frankfurt. Copies, at a cost of DM30, may be obtained from:

Mrs Schubel  
Dechema Institut  
Theodor Heuss Allee 25  
D-6000 Frankfurt 97  
FEDERAL REPUBLIC OF GERMANY

### ANNUAL LISTING OF NEW ELECTROCHEMISTRY BOOKS

Authors and publishers of new books on all aspects of electrochemistry and electrochemical engineering are invited to send details to the News Editor, so that a list can be compiled for publication at the end of each year.

### CALL FOR PAPERS

AICHe 1989 Annual Meeting  
San Francisco, California, November 1989

### NEW DEVELOPMENTS IN INDUSTRIAL ELECTROCHEMICAL PROCESSING

This symposium is concerned with the incorporation of electrochemical unit operations into industrial process schemes. Theoretical and/or experimental papers are solicited in the areas of *applied* organic and inorganic electrochemistry and electrochemical engineering. Specific areas of interest include:

1. New electro-organic and electro-inorganic syntheses.
2. Operation, design, and mathematical modeling of electrochemical reactors.
3. The use of computer simulation packages for the analysis, design, and optimization of electrochemical and hybrid chemical/electrochemical process schemes.
4. Electrochemical process development and scale-up.
5. Electrochemical separation techniques, including membrane separation processes.
6. Electrochemical methods for waste water treatment and pollution control.
7. Modeling, design, and control of industrial plating and etching processes.

Please submit a title and 100 word abstract to one of the following organizers by **April 1, 1989**:

Symposium Co-chair:

Peter N. Pintauro  
Department of Chemical Engineering  
Tulane University  
New Orleans, LA 70118  
(504) 865-5872

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