JOURNAL OF POWER SOURCES The International Journal on the Science and Technology of Battery, Fuel Cell and other Electrochemical Systems

Regional Editor for N. & S. America

C.K. Dyer Compact Power Inc. 16 Seven Oaks Circle, Madison, NJ 07940 -1314, USA

Regional Editor for Asia and the Pacific D.A.J. Rand

CSIRO Energy Technology, Bayview Avenue, Box 312, Clayton South, Vic. 3169, Australia

Regional Editor for Japan & P.R. China

Z. Ogumi Innovative Collaboration Center Kyoto University Nishikyo-ku, Kyoto 615-8520, Japan

Regional Editor for Europe, Middle East and Africa

B. Scrosati

Department of Chemistry University of Rome 'La Sapienza' Piazzale Aldo Moro, 5 00185 Rome, Italy

Special Issues Co-ordinating Editor

P.T. Moseley International Lead Zinc Research Organization Inc. Suite 120, 1822 E. Highway 54 Durham NC 27713, USA

Founding Editor

D.H. Collins

Aims and Scope

The *Journal of Power Sources* provides an interdisciplinary forum on all aspects of the science, technology and commercialization of primary/secondary batteries and fuel cells, supercapacitors, photo-electrochemical cells, including their applications in:

- Electric Vehicles
- Portable Electronics
- Hybrid Electric Vehicles
- UPS systems
- Stationary Power Systems
- · Remote wind- and/or solar-based powering systems
- Satellites and deep space probes.

Types of Contributions

- Original research papers within the scope of the journal
- · State-of-the-art reviews
- Feature articles
- Short communications
- · Letters to the Editors
- · Conference proceedings (selected papers)

Publication information: *Journal of Power Sources* (ISSN 0378-7753). For 2011, volume 196 is scheduled for publication. Subscription prices are available upon request from the Publisher or from the Regional Sales Office nearest you or from this journal's website (http://www.elsevier.com/locate/ jpower). Further information is available on this journal and other Elsevier products through Elsevier's website: (http://www.elsevier.com). Subscriptions are accepted on a prepaid basis only and are enered on a calendar year basis. Issues are sent by standard mail (surface within Europe, air delivery outside Europe). Priority rates are available upon request. Claims for missing issues should be made within six months of the date of dispatch.

International Advisory Board

A.J. Appleby (College Station, TX, USA) M. Armand (Amiens, France) R.J. Brodd (Henderson, NV, USA) K.R. Bullock (Blue Bell, PA, USA) P. Costamagna (Genova, Italy) R.M. Dell (Abingdon, UK) A. Dicks (Brisbane, Australia) S. Fletcher (Leicestershire, UK) J. Garche (Ulm, Germany) D. Gervasio (Tempe, AZ, USA) E.R. Gonzalez (Sao Carlos, SP, Brazil) M. Mastragostino (Bologna, Italy) T. Osaka (Tokyo, Japan) J. Owen (Southampton, UK) R. Palacin (Catalonia, Spain) D. Pavlov (Sofia, Bulgaria) M. Salomon (Little Silver, NJ, USA) S. Singhal (Richland, WA, USA) Y.-K. Sun (Seoul, South Korea) K. Tatsumi (Osaka, Japan) F. Walsh (Southampton, ÚK) J.Q. Wang (Tianjin, China) M. Winter (Münster, Germany) J. Wolfenstine (Adelphi, MD, USA) N.-L. Wu (Taipei, Taiwan) Y.-Y. Xia (Shanghai, PR China) J.I. Yamaki (Fukuoka, Japan) K. Zaghib (Varennes, QC, Canada) T. Zhao (Kowloon, Hong Kong)

Orders, Claims and Product Enquiries (no manuscript enquiries)

Please contact the Elsevier Customer Service Department nearest you:

St. Louis Elsevier

Customer Service Department 3251 Riverport Lane Maryland Heights, MO 63043, USA phone: (877) 8397126 [toll free within the USA] (+1) (314) 4478878 [outside the USA] fax: (+1) (314) 4478077 e-mail: JournalCustomerService-usa@ elsevier.com

Tokyo Elsevier Customer Service Department 4F Higashi-Azabu 1-Chome Bldg,1-9-15 Higashi-Azabu Minato-ku,Tokyo 106-0044, Japan phone: (+81) (3) 5561 5037 fax: (+81) (3) 5561 5047 e-mail: JournalsCustomerServiceJapan @elsevier.com

USA mailing notice: *Journal of Power Sources* (ISSN 0378-7753) is published semi-monthly by Elsevier B.V. (P.O. Box 211, 1000 AD Amsterdam, The Netherlands). Annual subscription price in the USA US\$ 4,390 (valid in North, Central and South America), including air speed delivery. Periodical postage paid at Rahway NJ and additional mailing offices.

USA POSTMASTER: Send change of address: *Journal of Power Sources,* Elsevier, Elsevier Customer Service Department, 11830 Westline Industrial Drive, St. Louis, MO 63146, USA.

AIRFREIGHT AND MAILING in USA by Mercury International Limited, 365, Blair Road, Avenel, NJ 07001.

Elsevier Customer Service Department

Oxford

The Boulevard, Langford Lane Kidlington, Oxford OX5 1GB, UK phone: (+44) (1865) 843434 fax: (+44) (1865) 843970 e-mail: JournalsCustomerService EMEA@elsevier.com

Singapore

Elsevier Customer Service Department 3 Killiney Road #08-01Winsland House I Japan Singapore 239519 phone: (+65) 63490222 fax: (+65) 67331510 e-mail: JournalsCustomerService APAC @ elsevier.com