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. Dver Compact Power Inc. 16 Seven Oaks Circle, Madison, NJ 07940 -1314, USA

Asia–Pacific Regional Editor

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 Department of Energy & Hydrocarbon Chemistry Graduate School of Engineering Kvoto Universitv Nishikyo-ku, Kyoto 615-8510, Japan

European Regional Editor

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

Special Issues Co-ordinating Editor

P.T. Moselev International Lead Zinc Research Organization Inc. 2525 Meridian Parkway PO Box 12036 Research Triangle Park, NC 27709, 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:

- Portable Electronics
- Hybrid Electric Vehicles
- UPS powering systems
- Electric Utilities
- 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
- · Short communications
- · Letters to the Editors
- Technical updates
- · Conference proceedings
- Recent publication lists (bibliographies)
- Conference calendar
- · Book reviews

Publication information: Journal of Power Sources (ISSN 0378-7753). For 2009, volumes 186-194 are 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

doi:10.1016/S0378-7753(09)00764-2

Editorial Board

K.M. Abraham (Needham, MA, USA) A.J. Appleby (College Station, TX, USA) 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. Freni (Messina, Italy) J. Garche (Ulm, Germany) D. Gervasio (Tempe. AZ, USA) E.R. Gonzalez (Sao Carlos, SP, Brazil) C. Masquelier (Amiens. France) M. Mastragostino (Bologna, Italy) T. Osaka (Tokyo, Japan) J. Owen (Southampton, UK) D. Pavlov (Sofia, Bulgaria) N. Penazzi (Torino, Italy) Z. Qi (Latham, NY, USA) M. Salomon (Little Silver, NJ, USA) N. Sammes (Storrs, CT, USA) S. Singhal (Richland, WA, USA) F. Walsh (Southampton, UK) J.Q. Wang (Tianjin, China) M. Winter (Münster, Germany) J. Wolfenstine (Adelphi, MD, USA) 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 Customer Service Department at the Regional

Orlando

Flsevier **Customer Service Department** 6277 Sea Harbor Drive, Orlando FL 32887-4800, USA phone: (877) 8397126 or (800) 6542452 [toll free numbers for US customers] (+1) (407) 3454020 or (+1) (407) 3454000 [customers outside US] fax: (+1) (407) 3631354 or (+1) (407) 3639661 e-mail: usics@elsevier.com

Tokyo

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

Amsterdam

The Netherlands

Flsevier

Sales Office nearest you:

or elspcs@elsevier.com

Singapore

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

Customer Service Department

phone: (+31) (20) 4853757

e-mail: nlinfo-f@elsevier.com

fax: (+31) (20) 4853432

PO Box 211,1000 AE Amsterdam