JOURNAL OF POWER SOURCES

The International Journal on the Science and Technology of Electrochemical Energy Systems

Regional Editor for N. & S. America

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

Asia-Pacific Regional Editor

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

Regional Editor for Japan & P.R. China

Professor Zempachi Ogumi Department of Energy & Hydrocarbon Chemistry Graduate School of Engineering Kyoto University 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 Coordinating 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 Paraje Ermita 6 04288 Bedar, Spain

Editorial Board

K.M. Abraham (Needham, MA, USA) A.J. Appleby (College Station, TX, USA) M. Armand (Montreal, Que., Canada) R.M. Dell (Abingdon, UK) C. Delmas (Pessac, France) S. Freni (Messina, Italy) J. Garche (Ulm, Germany) P. Grimes (Scotch Plains, NJ, USA) R.P. Hamlen (Fort Monmouth, NJ, USA) R.A. Huggins (Kiel, Germany) K.V. Kordesch (Graz, Austria) A.R. Landgrebe (Long Neck. DE. USA) M. Mastragostino (Bologna, Italy) F. McLarnon (Berkeley, CA, USA) B. McNicol (Kelsall, UK) R.F. Nelson (Golden, CO, USA) T. Osaka (Tokyo, Japan) K.-i. Ota (Yokohama, Japan) J. Owen (Southampton, UK) D. Pavlov (Sofia, Bulgaria) N. Penazzi (Torino, Italy) K. Peters (Manchester, UK) M.M. Thackeray (Argonne, IL, USA)

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, as well as on their application in important and emerging markets such as:

- · standby- and portable-power systems
- load-levelling facilities
- · electric vehicles
- remote wind- and/or solar-based power supplies
- · 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 2003, volumes 111-122 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.

Orders, Claims and Product Enquiries

(no manuscript enquiries)

Please contact the Customer Service Department at the Regional Sales Office nearest you:

Orlando

Flsevier **Customer Service Department** 6277 Sea Harbor Drive, Orlando FL 32887-4800, USA

phone: (+1) (877) 8397126 [toll free number for US customers] (or (+1) (407) 3454020 [customers outside US]

fax: (+1) (407) 3631354 e-mail: usjcs@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

e-mail: jp.info@elsevier.com

fax: (+81) (3) 5561 5047

Singapore

Amsterdam

The Netherlands

Flsevier

Elsevier

Customer Service Department 3 Killiney Road

Customer Service Department

PO Box 211, 1000 AE Amsterdam

phone: (+31) (20) 4853757

e-mail: nlinfo-f@elsevier.com

fax: (+31) (20) 4853432

#08-01 Winsland House I Singapore 239519 phone: (+65) 63490222 fax: (+65) 67331510

e-mail: asiainfo@elsevier.com

USA mailing notice: Journal of Power Sources (ISSN 0378-7753) is published monthly by Elsevier B.V. (P.O. Box 211, 1000 AE Amsterdam, The Netherlands). Annual subscription price in the USA US\$ 3304 (valid in North, Central and South America), including air speed delivery. Periodicals postage rate paid at Jamaica, NY 11431.

USA POSTMASTER: Send address changes to Journal of Power Sources, Publications Expediting Inc., 200 Meacham Avenue, Elmont, NY 11003.

AIRFREIGHT AND MAILING in the USA by Publications Expediting Inc., 200 Meacham Avenue, Elmont, NY 11003.