



Call for papers

3rd International Conference on Materials for Advanced Technologies
(ICMAT) and
9th IUMRS-International Conference on Advanced Materials (ICAM)

July 3–8, 2005, Singapore

(Deadline for abstract submission: 31 January 2005)

Symposium P: Materials for Rechargeable Batteries,
Hydrogen Storage and Fuel Cells

Chair: Ping Chen

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Co-Chairs: B.V.R. Chowdari, NUS, Singapore

G.V. Subba Rao, NUS, Singapore

G.-A. Nazri, General Motors Research & Development Center, Detroit, USA

E. Akiba, National Institute of Advanced Industrial Science and Technology, Ibaraki Japan

Scope of the Symposium:

This symposium focuses on materials for clean and portable energy sources. Emphasis will be given on synthesis, characterization and performance of new and advanced materials in the following areas:

- Rechargeable batteries – electrodes and electrolytes for lithium-, lithium ion- and NiMH-batteries.
- Hydrogen storage and generation materials – metal alloys, complex chemical hydrides, metal nitrides and imides, carbonaceous materials, porous materials including metal oxide frameworks, and other novel solid-state materials.
- Fuel Cells – Proton Exchange Membrane Fuel cells, electrochemistry & catalysis, bipolar plates, fuel processing, system, stack and cell engineering.
- Other aspects related to the above mentioned clean energy sources.

Keynote Speakers (Partial List)

Steven G. Chalk, US Department of Energy, USA

Ken-ichiro Ota, Yokohama National University, Yokohama, Japan

James Spearot, General Motors, USA

S.G. Nejat Veziroglu, University of Miami, Coral Gables, FL, USA

Invited Speakers (Partial List):

K.M. Abraham, E-KEM Sciences, Needham, MA, USA
Doron Aurbarch, Bar-Ilan University, Ramat-Gan, Israel
P. Balaya, Max-Planck-Institut fuer Festkoerperforschung, Stuttgart, Germany
Rambabu Bobba, Southern University, Baton Rouge, USA
Jun Chen, Nankai University, China
Jaephil Cho, Kumoh National Institute of Technology, Gumi, Korea
Claude Delmas, ICMCB, Pessac cedex, France
Hironobu Fujii, Hiroshima University, Hiroshima, Japan
Jacques Huot, Universite du Quebec a Trois-Rivieres, Canada
Ryoji Kanno, Tokyo Institute of Technology, Yokohama, Japan
Alain Levasseur, ICMCB, Pessac Cedex, France
Weifang Luo, Sandia National Laboratories, USA
Arumugam Manthiram, The University of Texas at Austin, Austin, USA
P. Ravindran, University of Oslo, Norway
Yasuo Takeda, Mie University, Tsu, Japan
Masahiro Tatsumisago, Osaka Prefecture University, Sakai, Japan
Linda F. Nazar, University of Waterloo, Waterloo, Ontario, Canada.
Maryom Nazri, Ohio State University, USA
Shin-ichi Orimo, Tohoku University, Sendai, Japan
Aline Rougier, University of Picardie, France
S. G. Sankar, Advanced Materials Co. USA
Victor Sobolev, INASMET, Donostia-San Sebastian, Spain
Enrico Traversa, University of Rome “Tor Vergata”, Roma, Italy
Masataka Wakihara, Tokyo Institute of Technology, Yokohama, Japan
Guoxiu Wang, University of Wollongong, NSW, Australia
James Wang, Sandia National Labs, Livermore, CA, USA
Masayoshi Watanabe, Yokohama National University, Yokohama, Japan
Gert Wolf, Inst. für Physikalische Chemie, TU Bergakademie Freiberg, Germany
Jun-ichi Yamaki, Kyushu University, Fukuoka, Japan
Li Zhou, Tianjin University, Tianjin, China

Scientific Committee (Partial List)

Leong Ming Gan, Institute of Materials Research and Engineering, Singapore
Chan Siew Hwa, Nanyang Technological University, Singapore
Jim Yang Lee, National University of Singapore, Singapore
Jurgen Lindner, Varta Microbattery Pte. Ltd., Singapore
Joachim Maier, Max-Planck-Institut fuer Festkoerperforschung, Stuttgart, Germany
Tsutomu Minami, Osaka Prefecture University, Sakai, Japan
Zempachi Ogumi, Kyoto University, Kyoto, Japan
Victor Sobolev, INASMET, Donostia-San Sebastian, Spain
David Rand, CSIRO Energy Technology, Clayton, Australia
Mostafa A.H. Talukder, ONR International Field Office, Tokyo, Japan

James Wang, Sandia National Labs, Livermore, USA

Osamu Yamamoto, Mie University, Tsu, Japan

Local Organizing Committee (Partial List)

Jianjiang Hu, NUS

M.V. Reddy, NUS

Guotao Wu, NUS

Zhitao Xiong, NUS

Proceedings:

All those papers which are acceptable, as judged by the normal peer review process of the journal, will be published as a special issue of the **Journal of Power Sources**, Elsevier.

Sponsors:

Asian Society for Solid State Ionics

Correspondence:

For all enquiries please contact Dr. Ping Chen at the address shown above. For procedures for abstract submission, please refer to www.mrs.org.sg.