SSI - 17
The 17th International Conference on Solid State Ionics
28 June - 3 July, 2009
Toronto, CANADA

First Announcement and Call For Papers

Foreword

The SSI conferences held every two years under the auspices of the International Society for Solid State Ionics (ISSI), promote international collaboration and cooperation and provide a forum for scientists and engineers to discuss fundamentals, innovations and applications in the field of ion transport in solids. The conferences also afford an opportunity for exchanging new ideas and the latest research results. This follows successful conferences held in Baden-Baden in 2005 and Shanghai in 2007.

Program

SSI-17 will begin on Sunday June 28, 2008, with Registration and an Opening Reception.
The Scientific program will begin after the Official Opening Ceremony on Monday morning. Each morning, there will be a Plenary Lecture, followed by four concurrent, parallel sessions, which will feature Keynote lectures as well as contributed talks.   There will also be two poster sessions.   The Closing Ceremony will be held after the scientific sessions on Friday morning.   The official language of SSI-17 will be English.

Regarding applications, the program will be structured around the following topics: Polymer Fuel Cells High Temperature Fuel Cells Batteries (aqueous, lithium, HT) Sensors	**Regarding scientific content**, the program will be structured around the following topics: Fundamentals Modeling and Simulation Measurement Techniques Ionic Diffusion and Conduction Mixed Conductors Novel Materials Interfacial Effects

Venue

SSI-17 will be held at the Fairmont Royal York Hotel in downtown Toronto, Canada. Toronto is the cultural, entertainment and financial capital of Canada (in the province of Ontario), with a population of 2.7 million, is the major port of entry into Canada on the east coast, with easy access from many cities in Europe, and one-stop connections from Asia and other Pacific Rim countries. From Pearson International Airport to downtown, one can take either a taxi, or a shuttle to the major hotels. There is also an express public transit bus, the Airport Rocket. Detailed information will, of course, be available on the website, http://www.ssi-17.net.

Abstract Submission

Abstracts may be submitted through the SSI-17 website, after September 15, 2008. The deadline for submission of Abstracts is 30 January, 2009.   Detailed instructions for formatting abstracts are available on the SSI-17 website. Authors of accepted abstracts will be notified by February 15, 2009.

Proceedings

Accepted abstracts will be prepared in booklet form and given to the attendees.   Presented papers will be refereed and selected for publication in Solid State Ionics, as a special issue.

http://www.ssi-17.net   or e-mail ssi17@alfred.edu

Hotel info

SSI-17 has reserved a number of rooms for participants at special conference rates, at the Royal York Hotel. Participants are responsible for making their own accommodation arrangements. Reservations can be made directly from our website, http://www.ssi-17.net

Registration

On-line registration, through the SSI-17 website will be available after January 15, 2009.

Dokiya and ISSI Presidential Scholarships

It is possible to offer a number of scholarships for young scientists to help defray the costs of attendance.
We are grateful for the generosity of the Dokiya Endowment, of the Electrochemical Society, and the International Society for Solid State Ionics for this financial support.

Social Program

The social program will include an Opening Reception on Sunday evening, two poster sessions, refreshment breaks and the Conference Banquet on Thursday evening.
There is also an optional sightseeing tour (separate registration fee) of Niagara Falls on Wednesday afternoon/evening. Please see the website for details.

Conference Co-Chairs

Alastair N. Cormack
New York State College of Ceramics at Alfred University
Klaus Funke
Institute of Physical Chemistry, University of Muenster

Local Organizing Committee

Alastair N. Cormack, *Alfred University*
Doreen D. Edwards, *Alfred University*
Anthony J. Petric, *McMaster University*
Nigel Sammes, *Colorado School of Mines*
Matthew Fronk, *General Motors*
Marlene Wightman, *Alfred University*

International Scientific Advisory Committee

Michel Armand
Université de Picardie, Amiens, FRANCE
Sukhvinder Badwal
CSIRO, Clayton, AUSTRALIA
Gyeong Man Choi
POSTECH, Republic of Korea
B. V. R. Chowdari
National Univ. Of Singapore, SINGAPORE
Wolfgang Dieterich
University of Konstanz, GERMANY
Ludwig J. Gauckler
ETH Zürich, SWITZERLAND
Malcolm Ingram
University of Aberdeen, UNITED KINGDOM
Tatsumi Ishihara
Kyushu University, JAPAN
Allan Jacobson
University of Houston, UNITED STATES
Junichi Kawamura
Tohoku University, JAPAN
John A. Kilner
Imperial College London, UNITED KINGDOM
Philipp Maass
Technische Universitaet Ilmenau, GERMANY
Joachim Maier
Max Planck Inst. for Solid State Research, GERMANY
Manfred Martin
RWTH Aachen University, GERMANY
Junichiro Mizusaki
Tohoku University, JAPAN

Mogens Mogensen
Risø National Laboratories, DENMARK
Janina Molenda
Krakow University, POLAND
Truls Norby
University of Oslo, NORWAY
Zempachi Ogumi
Kyoto University, JAPAN
Finn Willy Poulsen
Risø National Laboratories, DENMARK
Ilan Riess
Technion, Haifa, ISRAEL
Joop Schoonman
Delft University of Tech., THE NETHERLANDS
Werner Sitte
Leoben University, AUSTRIA
Detlev Stöver
Forschungszentrum Jülich, GERMANY
Ellen Ivers Tiffée
Universität Karlsruhe (TH), GERMANY
Harry L. Tuller
Massachusetts Inst. of Tech., UNITED STATES
Constantinos G. Vayenas
University of Patras, GREECE
Ting Lian Wen
Shanghai Institute of Ceramics, CHINA
Werner Weppner
Christian Albrecht University of Kiel, GERMANY
Osamu Yamamoto
Genesis Research Institute, JAPAN

For more information please contact Ms. Marlene Wightman
New York State College of Ceramics at Alfred University, 2 Pine St, Alfred, NY 14802, USA
e-mail: ssi17@alfred.edu   Phone: +1-607-871-2425; fax: +1-607-871-2392
www.ssi-17.net