



**XII International Symposium on
Polymer Electrolytes**
29 August — 3 September 2010

ISPE-12

Padova, Italy



First Announcement and Call for Papers

Invitation and Scope

It is a great pleasure for the Organizing Committee of the XII International Symposium on Polymer Electrolytes (ISPE-12) to convene in Padova all the people involved in research and technology on materials and devices for energy conversion and storage and for the transduction of chemical into electric phenomena.

Since 1987 ISPE took place every two years in the following countries: United Kingdom (St. Andrews, 1987), Italy (Siena, 1989), France (Annecy, 1991), USA (New Port, Road Island, 1994), Sweden (Uppsala, 1996), Japan (Hayama, Kanagawa, 1998), Australia (Noosa, Queensland, 2000), USA (Santa Fe, New Mexico, 2002), Poland (Mragowo, 2004), Brazil (Foz do Iguaçu, 2006) and Portugal (Ofir, 2008). ISPE-12 will provide a multidisciplinary forum with participants from many parts of the world.

The main aim of ISPE-12 is to bring together leading international scientists, engineers, top-level industrial management and business executives to discuss all the aspects of the science, technology and applications of ion-conducting materials.

We are looking forward to seeing you in Padova in 2010.

Conference Location

Padova is better known as the city of St. Anthony and it is one of the most important art cities in Italy. It is the capital of Padova province, in Veneto, and the economic and communications hub of the province. Padua's population is 211,985 (2004). Padova stands on the Bacchiglione River, and stands 35 km west of Venice. Its agricultural setting is the Pianura Veneta, the "Venetian plain", to the city's south west lies the Euganean Hills, praised by Lucan and Martial, Petrarch, Ugo Foscolo, and Shelley. The city is picturesque, with a dense network of arcaded streets opening into large communal piazze, and many bridges crossing the various branches of the Bacchiglione, which once surrounded the ancient walls like a moat.

Symposium Topics

New materials

- Polymers, salts, gels and ionic liquids
- Composite materials, hybrid inorganic-organic systems
- Electrode materials

Structure-property relationships

- Conventional and innovative spectroscopic studies
- Conventional and innovative electrochemical investigations
- Conventional and innovative diffraction techniques

Theory and computer modeling

- New mathematical models and computational methods for the study of the structure, the conductivity mechanism, the electrochemical phenomena and performance
- Design and modeling of cells and systems

Applications

- Electrochemical interfaces
- Batteries and fast-recharging batteries
- Fuel cells
- Supercapacitors and ultracapacitors
- Sensors
- Actuators
- Photo-electrochemical devices
- Microelectronics
- Biotechnology
- Safety and durability issues of advanced devices

Chairperson

Vito Di Noto (University of Padova, Italy)

International Organizing Committee

Giulio Alberti (University of Perugia), Austen C. Angell (Arizona State University, U.S.A.), Michael Armand (University de Picardie Jules Verne, France), Doron Aurbach (Bar-Ilan University, Israel), Peter G. Bruce (University of St. Andrews, UK), Maria Manuela Da Silva (University of Minho, Portugal), John Fontanella (U.S. Navy Academy, U.S.A.), Maria Forsyth (Monash University, Australia), Roger Frech (University of Oklahoma, U.S.A.), Takeo Furukawa (Tokyo University of Science, Japan), Alessandro Gandini (University of Aveiro, Portugal), Hubert Gasteiger (MIT, U.S.A.), Diana Golodnitsky (Tel Aviv University, Israel), Michaël Grätzel (Ecole Polytechnique Fédérale de Lausanne, Switzerland), Steve Greenbaum (Hunter College, NY, U.S.A.), Ernesto R. Gonzalez (University of São Paulo, Brazil), Per Jacobsson (Chalmers University of Technology, Sweden), Friedrich Kremer (University of Leipzig, Germany), Klaus D. Kreuer (Max-Planck-Institut für Festkörperforschung, Germany), Roger Linford (De Montfort University, UK), Douglas MacFarlane (Monash University, Australia), Aldo Magistris (University of Pavia), Marina Mastragostino (University of Bologna), Bengt E. Mellander (Chalmers University of Technology, Sweden), Hiroyuki Ohno (Tokyo University of Agriculture, Japan), Stephen J. Paddison (University of Tennessee, U.S.A.), Agnieszka J. Pawlicka (University of São Paulo, Brazil), Emanuel Peled (Tel Aviv University, Israel), Michael Popall

(Fraunhofer Institute, Würzburg, Germany), Jean-Yves Sanchez (LEPMI, France), Lawrence Scanlon (USAF, U.S.A.), Bruno Scrosati (University of Rome "La Sapienza"), Jean-Marie Tarascon (University of Annecy, France), Josh Thomas (Uppsala University, Sweden), Masayoshi Watanabe (University of Yokohama, Japan), Wladyslaw Wieczorek (Warsaw University of Technology, Poland), Mary C. Wintersgill (U.S. Navy Academy, U.S.A.), Peter V. Wright (University of Sheffield, UK), Thomas A. Zawodzinski (Case Western Reserve University, U.S.A.), Verónica de Zea Bermudez (Universidade de Trás-os-Montes e Alto Douro, Portugal), Piotr Zelenay (Los Alamos National Laboratories, U.S.A.)

Important Dates

- **18/12/2009** Closing date for the delivery of the preliminary intent form
- **11/01/2010** Opening date for abstract submission.
- **15/02/2010** Opening date for online final registration.
- **02/04/2010** Deadline for abstract submission
- **14/05/2010** Notification of abstract acceptance
- **18/06/2010** End of early registration

A selection of the best contributions presented at ISPE-XII will be published on a Special Issue of *Electrochimica Acta* after the usual peer-review process.

Exhibition/Sponsorship

Exhibits of commercial products related to the conference topics will be held concurrently. We are expecting a good number of vendors and conference registrants. Companies and other organizations interested in promoting their products or activities at this top event for the international materials community are invited to make use of the several sponsorships opportunities made available.

Awards

In order to encourage the submission of high-value papers two prizes of will be awarded: one for the best paper in plenary session and one for the best paper in poster session. Details will be available in the Symposium Programme.

Contact Us

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