



43rd IUPAC World Chemistry Congress organized by the Colegio de Químicos de Puerto Rico

Chemistry Bridging Innovation Among the
Americas and the World

www.iupac2011.org

info@iupac2011.org

CALL FOR ABSTRACTS

The Colegio de Químicos de Puerto Rico is hosting the 43rd IUPAC World Chemistry Congress (IUPAC 2011) on July 31-August 5, 2011 at the Puerto Rico Convention Center in San Juan, Puerto Rico. This is one of the cornerstone events of the International Year of Chemistry. The aim of the 2011 IUPAC World Chemistry Congress is to establish a gateway for the new interdisciplinary fields of science developed in the last decade, promote science and technology as the basis for achieving a sustainable environment, and strengthen the collaboration among the young Caribbean and Latin American generations of scientists and their peers in other parts of the World. Be part of this unique historical event!

CALL FOR ABSTRACTS

Submit your abstracts in all research areas. *Deadline: March 31, 2011.* For information and abstract submission visit: www.iupac2011.org/abstracts.html.

Themes will overlap in several places and the program has been designed to be accessible and relevant to all. The main themes are:

1. Alternative Energy Sources
2. Chemical Analysis and Imaging
3. Chemical Education and Heritage
4. Chemical Synthesis
5. Chemistry and the Environment
6. Chemistry of Life
7. Industrial and Applied Chemistry
8. Macromolecular, Supramolecular and Nanotechnology
9. Materials Science
10. Theoretical, Physical and Computational Chemistry

To submit an abstract you need to obtain an IUPAC abstract registration username and password in the abstract submission webpage. Just go to the link www.iupac2011.org/abstracts.html, enter the link

for abstract submission and once you are in the Program and Abstract Creation System (PACS) webpage register on it if you have not previously obtained an ACS ID. You do not have to be or become an ACS member to register and obtain your abstract registration username and password.

REGISTRATION

The IUPAC 2011 Registration will open in January 2011. Advance registration is until July 22, 2011.

There is an [early bird rate](#) of \$135.00 per room per night, valid until July 6, 2011, at the [Sheraton Puerto Rico Convention Center Hotel and Casino](#), the official Congress Headquarters. After that date, a rate of \$165.00 per room per night will apply. For details visit <http://www.iupac2011.org/accomodation.html>.

For visa information visit: <http://www.iupac2011.org/visas.html> or if you require an invitation letter for obtaining your visa, send an email to: visa@iupac2011.org.

PLENARY SPEAKERS:

Prof. Aaron Ciechanover (2004 Nobel Laureate) – Israel Institute of Technology, Israel

Prof. Richard Ernst (1991 Nobel Laureate) – ETH Zürich, Switzerland

Prof. Robert R. Grubbs (2005 Nobel Laureate) – California Institute of Technology, USA

Prof. Roald Hoffmann (1981 Nobel Laureate) – Cornell University, Ithaca, NY, USA

Prof. Mario Molina (1995 Nobel Laureate) – University of California-San Diego, USA and Mexico

Prof. Richard R. Schrock (2005 Nobel Laureate) – Massachusetts Institute of Technology, USA

Prof. Ada E. Yonath (2009 Nobel Laureate) – Weismann Institute of Science, Israel

SPECIAL SYMPOSIA (please visit our [website](#) for a complete list):

Alternative Energy Sources

- Advances in Alternative Energy Systems
- The Chemistry of Solar Energy
- Biologically Derived Fuels: The Challenges Ahead
- Advanced Nanomaterials for Energy Applications

Chemical Analysis and Imaging

- Advances in Separation Sciences
- Electrochemical Biosensors

Chemical Education and Heritage

- Are Women Still Underrepresented in Science?*
- POGIL Across the Curriculum
- Chemistry and Culture
- Philosophy of Chemistry-Bicentenary of the Avogadro's Hypothesis
- Chemical Education for the Future: A Global Perspective
- Best Practices in the Teaching and Learning of Chemistry: International Sharing of Methods, Insights, and Results
- IYC Global Experiment: Water, a Chemical Solution

Chemical Synthesis

- Contemporary Aspects of Main Group Chemistry

- Transition Metal Homogeneous Catalysis

Chemistry and the Environment

- Interactions of Nanoparticles with the Environment
- Advanced Physico-chemical Techniques to Solve Environmental Science Challenges*
- Sustainability of Water Quality

Chemistry of Life

- Medicinal Chemistry of Natural Products
- Balancing Life with Glycoconjugates
- Structural Dynamics of Chemical and Biological Systems
- From Protein Structure to Cell Regulation (joint symposium with the International Union of Biochemistry and Molecular Biology)

Industrial and Applied Chemistry

- Electrocatalysis and Surface Reactivity: Theory, Experiments and Applications
- IUPAC Safety Training Program: Global Chemical Safety and Sustainability
- Forensic Drug Identification in Blood, Urine and Unconventional Matrices
- Chemists' Employability and Professional Development
- Occupational Safety and Health Harmonization System
- Pharma and Biotechnology

Macromolecular, Supramolecular and Nanotechnology

- Polymer Chemistry Symposium-Young Polymer Chemists
- Tailored Polymers by Precision Chain Polymerization
- 60 years and 60 carbons: A Symposium on Fullerenes and Supramolecular Chemistry

Materials Science

- Challenges for Materials Chemistry in the 21st Century*
- Layered Materials from Nanoparticles to Platforms for Biomolecules

Theoretical, Physical and Computational Chemistry

- Surface Spectroscopy
- New Frontiers of Computational Nanomaterials Science
- Computational Enzymology: From Mechanistic Understanding to Inhibitor and Biocatalyst Design

* ACS Sponsored

SYMPOSIA ORGANIZERS:

Satinder Ahuja, Malja Aksela, Angelo Azzi, Abel Baerga, Dipak Banerjee, Vanderla Bolzani, Carlos Cabrera, Arnaldo Carrasquillo, Mark Cesa, Edwin Chandross, Zhongfang Chen, Majed Chergui, Carmen Claver, Abraham Clearfield, Mukund Chorghade, Jorge L. Colón, Luis A. Colón, Frank Creegan, Todd Emrick, Juan Feliu, Francois Gabbai, Javier García, Jorge Gardea-Torresdey, Lynn Hogue, Leonard Interrante, Angel Kaifer, Ram Lamba, Zafra Lerman, Juan López-Garriga, Iwona Maciejowska, Manuel Martínez, Laura McConnell, James McQuillan, Graeme Moad, Ingrid Montes, Ashraf Mozayani, Dan Nocera, Christopher Ober, Lymari Orellana, Luis Oro, Alejandra Palermo, Félix Román, Klaus Ruthenberg, Arlyne Saquis, Mituo Sawamoto, Nicola Senesi, Dennis Smith, Bassam Z. Shkhashiri, Hessa Taft, Paulino Tuñón Blanco, Brigitte Van Tiggelen, among others.

FESTIVAL DE QUÍMICA:

A "Festival de Química", will be held on Sunday, July 31 at IUPAC 2011 where Puerto Rico student chapters of the American Chemical Society will receive K-12 students from around the Island and conduct hands-on demonstrations as part of the International Year of Chemistry activities.

For information contact: info@iupac2011.org and

Organizing Committee Chairperson- Dr. Gabriel Infante - ginfante@iupac2011.org

Secretary - Dr. Agnes Dubey - adubey@iupac2011.org

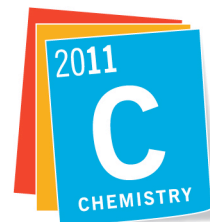
Financial Chair - Dr. José Lebrón - jhlebron@iupac2011.org

Scientific Committee Chair - Dr. Jorge Colón - jcolon@iupac2011.org

President Colegio de Químicos de Puerto Rico - Flor Mattos - frmattos311@gmail.com

Celebrate the culture of Puerto Rico in music and art
at the IUPAC 2011 social events.

Join us in San Juan!



International Year of
CHEMISTRY
2011