



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

ABSTRACT SUBMISSION DEADLINE EXTENDED TO SATURDAY APRIL 30

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!

Registration is now open. Advance registration is until July 22, 2011.

CALL FOR ABSTRACTS

The deadline to submit abstracts has now been extended to Saturday April 30, 2011. Submit your abstracts in all research areas. 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 registered in PACS. You do not have to be or become an ACS member to register and obtain your abstract registration username and password. Instructions for registering in PACS follow:

- Hit the abstract submission link provided in www.iupac2011.org/abstracts.html to enter PACS.
- Hit the "Registration is easy" link.
- Enter the User Name and password that you want to use in PACS. Also confirm your password.
- Then of the four options given below that, mark the one applicable to you. If you are not a member of the ACS, then mark the option that reads "Nonmember/Global Partner".
- Continue with the registration. Once you have finished, then close the window, open a new one and go back again to abstracts.acs.org and now enter your new username and password. You should be able to enter the PACS system.

HOTELS

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 about this hotel and others visit <http://www.iupac2011.org/Pages/Hotels.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 and Around the World
- Chemistry and Culture
- Philosophy of Chemistry
- Chemical Education for the Future: A Global Perspective

- Best Practices in the Teaching and Learning of Chemistry: International Sharing of Methods, Insights, and Results
- The Chemical Element: Chemistry's Contribution to our Global Future

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

- Modern Medicinal Chemistry: Natural and Synthetic Molecules as Valuable Tools
- 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
- The Search for Drugs for Rare, Neglected and Orphan Diseases

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

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SYMPOSIA ORGANIZERS:

Satinder Ahuja, Malja Aksela, Angelo Azzi, Abel Baerga, Dipak Banerjee, Vanderlan 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, Peter Mahaffy, Manuel Martínez, Laura McConnell, James McQuillan, Graeme Moad, Ingrid Montes, Ashraf Mozayani, Dan Nocera, Christopher Ober, Lymari Orellana, Luis Oro, Alejandra Palermo, José Peralta, Félix Román, Klaus Ruthenberg, Arlyne Sarquis, Mituo Sawamoto, Nicola Senesi, Dennis Smith, Bassam Z. Shakhashiri, Hessa Taft, Paulino Tuñón Blanco, Brigitte Van Tiggelen, Yingkai Zhang, 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.

GLOBAL EXPERIMENT:

Water: A Chemical Solution, the Global Experiment for the IYC (water.chemistry2011.org), will be performed by groups of students during the IUPAC 2011 Congress. During several days in a booth in the Convention Center scientists from around the world will have the opportunity to interact with the students and watch the enthusiasm generated in young people by the role of Chemistry in their daily lives. This activity will go hand-in-hand with another planned event, "Chemistry in Our Lives: A Chat with Nobel Laureates" where students and teachers will have an opportunity to talk to the Nobel Laureates participating during the IUPAC 2011 Congress. This event has been planned for Thursday afternoon during the Congress.

For information contact: info@iupac2011.org or:

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

Secretary - Professor Agnes Dubey - adubey@iupac2011.org

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

Scientific Committee Chair - Professor 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!

