Eighth International Conference on Atomic and Molecular Data and Their Applications (ICAMDATA 2012)

September 30 - October 4, 2012

Gaithersburg, Maryland, USA

THIRD ANNOUNCEMENT

Reminder of deadlines:

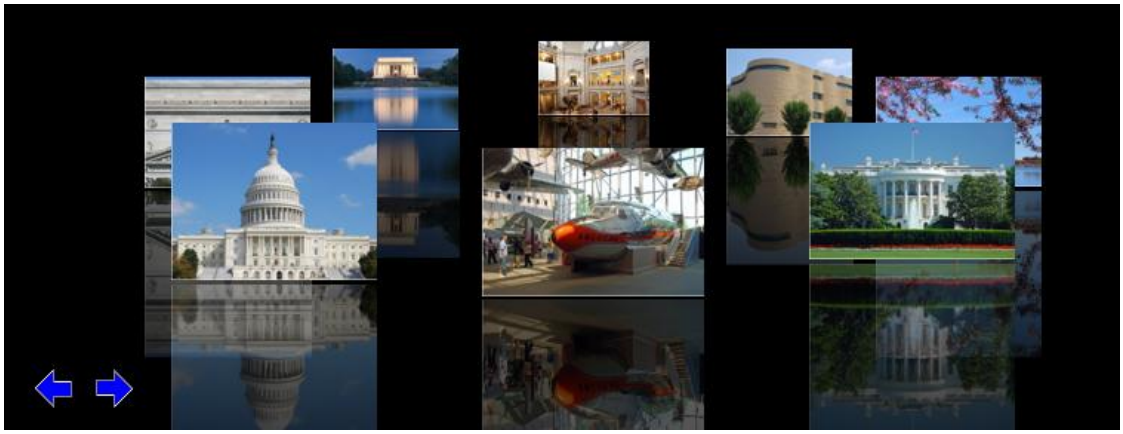
Abstracts: extended to August 25 to coincide with the hotel reservation deadline.
Hotel reservations: August 25*
Registration (full refund possible before this date): August 31**

*Note that the conference hotels are located around a lake within a complex of shops, restaurants, and movie theatres (www.washingtoniancenter.com), affording nice opportunities for evening strolls, etc. A limited number of rooms are being held at a reduced rate until they are all taken or the deadline above passes, whichever comes first, so we advise you to make your reservations through the link on the conference web site as soon as possible.

**As of this writing, there are still a few reduced fee ($200) registrations left for students on a first-come first-served basis.

The conference website (see URL at the end of this document) is being updated to contain the following new information since the Second Announcement:

1. Photo carousel of selected sites in nearby Washington D.C. (see social program and tourism links on the conference website):



2. The banquet will be held Wednesday (October 3) at the Gaithersburg Marriott Washingtonian Center 9751 Washingtonian Boulevard, Gaithersburg, MD 20878.

3. Updated list of confirmed invited speakers, affiliations, and titles of talks:

Ehud Behar	Technion Israel Institute of Technology, Israel	*The use of atomic data in astrophysics (tentative title)*
Laurence Campbell	Flinders Univ., Australia	*Data needs for simulations of electron-driven processes in planetary and cometary atmospheres*
James Colgan	Los Alamos National Laboratory, USA	*Light element opacities of astrophysical interest from ATOMIC*
Hyun-Kyung Chung	IAEA, Vienna, Austria	*Coordinated activities on evaluation of collisional data for fusion applications*
Gordon Drake	University of Windsor, Canada	*High precision atomic data as a measurement tool for halo nuclei: theory*
Adam Foster	Harvard-Smithonian Center for Astrophysics, USA	*AtomDB: atomic data for x-ray astrophysics*
Satoshi Hamaguchi	Osaka University, Japan	*Roles of reactive species in plasma medicine*
Per Jönsson	Malmö University, Sweden	*Accurate transition probabilities from large scale multiconfiguration calculations.*
Jelle Kaastra	SRON Utrecht, The Netherlands	*Spectral modeling and diagnostics in various astrophysical environments*
Igor Kaganovich	Princeton Plasma Physics Lab., USA	*Data applications for low temperature plasma (tentative title)*
Tim Kallman	NASA Goddard Space Flight Center, USA	*Data needs for x-ray satellites (tentative title)*
Fumihiro Koike	Saghaono University, Japan	*Data of heavy elements for light sources in EUV and XUV lithography and other applications*
David Leckrone	NASA HQ, USA	*The use of atomic spectroscopy & data in astronomy and other areas of science (tentative title)*
Steve Lisgo	ITER Organization, France	*Data needs for ITER (tentative title)*
Stuart Loch	Auburn University, USA	*Error propagation in atomic models due to input data uncertainties (tentative title)*
Oleksandr Marchuk	Forschungszentrum Juelich, Germany	*Atomic data for beam-stimulated plasma spectroscopy in fusion plasmas*
Shigeru Morita	NIFS, Japan	*A study of tungsten spectra using Large Helical Device and Compact Electron Beam Ion Trap in NIFS*
H. S. P. Mueller	Univ. Köln, Germany	*The CDMS view on molecular data needs of Herschel, SOFIA, and ALMA*
N. Nakamura	University of Electro-Communications (Tokyo), Japan	*EBIT spectroscopy of highly charged heavy ions relevant to hot plasmas*
Wilfried Nörtershäuser	Johannes Gutenberg-Universität Mainz and GSI, Germany	*High precision atomic data for halo nuclei and related nuclear structure*
Zoran Petrovic	Institute of Physics, University of Belgrade, Serbia	*Data for modeling of positron collisions and transport in gases*
Ronald Phaneuf	University of Nevada, USA	*Cross-section measurements with interacting beams*

Juliet Pickering	Imperial College London, UK	*New laboratory atomic spectroscopic measurements with applications from astrophysics to industrial analytical applications*
Thomas Pütterich	Max Planck Institut für Plasma Physik Garching, Germany	*Tungsten spectroscopy in magnetic confinement fusion*
Yizhi Qu	Graduate University of Chinese Academy of Sciences Beijing, China	*Charge transfer cross section calculations and evaluations*
Laurence Rothman	Harvard-Smithonian Center for Astrophysics, USA	*The HITRAN molecular database*
Daniel Savin	Columbia University, USA	*Laboratory studies of primordial chemistry and implications for first star formation*
Stefan Schippers	Giessen University, Germany	*Storage-ring measurements of hyperfine induced and two-photon transition rates in berylliumlike ions*
Hajime Tanuma	Tokyo Univ., Japan	*Charge exchange spectroscopy of multiply charged ions of industrial and astrophysical interest*
Jonathan Tennyson	University College London, UK	*Molecular line lists for exoplanets and other atmospheres*
E. Tiemann	Univ. Hannover, Germany	*Renaissance in diatomic spectroscopy*
Andreas Wolf	Heidelberg University, Germany	*Storage ring experiments on electron-molecular ion interactions*

4. A special session honoring the careers of Joseph Reader (talk presented by David Leckrone) and Charlotte Froese-Fischer (talk presented by Per Jönsson) will be chaired by John Curry.

5. On two separate days, Panel Discussion Sessions are being planned, one (on the last day) on *Assessment of Accuracy of Data* (Chaired by Bas Braams with panelists Klaus Bartschat, Gordon Drake, Phillip Stancil, and Jonathan Tennyson) and one on *Future Opportunities* (Chaired by Yuri Ralchenko with panelists James Van Dam, Marie-Lise Dubernet, and David Schultz).

6. Two satellite meetings will be held in conjunction with this conference: The Symposium on Atomic Structure Calculations and The VAMDC (Virtual Atomic and Molecular Data Center) Meeting. See the ICAMDATA Satellite meeting website.

7. The ICAMDATA Business Meeting is open to all and will be held in the conference auditorium at the end of the meeting.

8. The International Program Committee Meeting has been rescheduled to take place on October 3 at noon.

9. The Conference Proceedings will be published by the American Institute of Physics, which continues the tradition of this conference series.

10. The committee member lists have been updated and are shown below.

International Program Committee Members: W. Wiese (Chair), S. Fritzsche (Vice-Chair), G. Zissis, K. Bartschat, B. Braams, S. Buckman, R. Carman, M.-L. Dubernet, J. Gillaspy, J. Horacek, R. Janev, C. Mendoza, A. Mueller, I. Murakami, Yu. Ralchenko, D. Reiter, Y. Rhee, E. Roueff, T. Ryabchikova, A. Ryabtsev, P. Scott, V. Shevelko, J. Wang, J.-S Yoon.

Local Conference Committee Members: John Gillaspy (Chair: ebit2@nist.gov), Jim Babb, John Curry, Jeff Fuhr, Rodrigo Ibacache, Tim Kallman, Karen Olsen, Glenn Wahlgren, Yuri Podpaly.

Please consult the conference web site (http://physics.nist.gov/icamdata2012) for additional information.