

ICAMDATA 2012

PRELIMINARY ANNOUNCEMENT

Dear Colleague,

We cordially invite you to attend the Eighth International Conference on Atomic and Molecular Data and Their Applications (ICAMDATA 2012) which will be held at the National Institute of Standards and Technology (NIST) in Gaithersburg, Maryland, USA. The conference will start with a welcome reception in the evening of Sunday, September 30, 2012 and finish on Thursday, October 4, 2012.

ICAMDATA 2012 is continuing the series of international conferences since 1997 that promotes the use of atomic and molecular data in various fields of science and technology, and provides a forum for the interaction of data producers, database designers and compilers, and data users. The conference will focus on the following topics:

I. Applications of and needs for atomic and molecular data:

- Astrophysics and atmospheric physics
- Magnetic and inertial fusion
- Laboratory and industrial plasmas
- Lighting science and technology
- Biomedicine and biophysics
- Combustion and environmental sciences and technology
- Surface physics, gaseous electronics, solid state optics and spectroscopy, optoelectronics, etc

II. Atomic and molecular data collections, assessment and dissemination:

- Data collection and selection, critical evaluation, estimates of uncertainties
- Databases, data exchange and dissemination
- Data center activities, standardization of data formats

III. Experimental and theoretical atomic and molecular data generation

- Atomic and molecular structure and spectroscopy
- Electron collisions with atoms and molecules
- Heavy particle collisions
- Particle - surface interactions

More information on Gaithersburg, which is a suburb of Washington, D.C. about 25 miles from the center of the city, may be obtained on the Montgomery County web site:
<http://www.visitmontgomery.com/>

Washington, D. C. is served by three airports, IAD, BWI and DCA.

Further announcements and details will be provided on the conference website:
<http://physics.nist.gov/icamdata2012>

Please, circulate this announcement among your colleagues.

W. L. Wiese, Program Chair and J. Gillaspay, Local Chair