

# 10th International Conference on Atomic and Molecular Data and Their Applications

Gunsan, South Korea, September 25 - 29, 2016

## 1<sup>st</sup> circular

Dear Colleague,

We cordially invite you to attend the 10th International Conference on Atomic and Molecular Data and Their Applications (ICAMDATA2016) which will be held in Gunsan, South Korea. The conference will start with a welcome reception in the evening of Sunday, September 25, 2016 and finish on Thursday, September 29, 2016.

ICAMDATA 2016 is a continuing 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 interaction of AM data producers and users and for information exchange on AM data needs and availability, and fosters cross-disciplinary cooperation between the AM data producers and users and coordination of AM data activities and databases worldwide.

The conference will focus on the following topics:

1. **Application and needs of atomic and molecular data:**
  - Astrophysics and atmospheric physics
  - Magnetic and inertial fusion
  - Laboratory and industrial plasmas
  - Lighting sciences and technology
  - Biomedicine and biophysics
  - Combustion and environmental sciences and technology
  - Surface physics, gaseous electronics, solid state spectroscopy, optoelectronics, etc
2. **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
3. **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

Gunsan, located on the edge of central western coast, is in 2~3 hours away from anywhere in Korea (231km away from Seoul and 337km away from Busan). It is also the central city of Saemangeum, the biggest reclamation project in the country, and a port city of 114 years of history with various international routes, located 563km away from Qingdao, China, which is the shortest distance in Korea. For more information about the city, please, contact the web site <http://eng.gunsan.go.kr/index.gunsan>

Gunsan can be easily reached by bus from the Incheon International Airport. (3 hours)

Further information about the Conference, including the list of invited speakers, the registration and conference fees, proceedings as well as hotels and travel will be provided at the conference web site <http://icamdata2016.nfri.re.kr>.

Please, note the conference dates and circulate this announcement among your colleagues.

Jung-Sik Yoon (Program Chair)

H. Cho (Local Chair)

Mi-Young Song (Secretary)