

First Announcement of the
International Conference on Nuclear Data for Science and Technology
(<http://www.nd2010.org/>)

Background

The 2010 International Conference on Nuclear Data for Science and Technology will be held in Jeju Island, Korea, from 26 – 30 April 2010. This conference is held every three years and is part of a series of conferences previously organized in Harwell (1978), Antwerp (1982), Santa Fe (1985), Mito (1988), Jülich (1991), Gatlinburg (1994), Trieste (1997), Tsukuba (2001), Santa Fe (2004) and Nice (2007).

The purpose of these conferences is to bring together scientists and engineers involved in the production or use of nuclear data for various applications. The ND2010 conference will cover measurements, theoretical model developments, evaluation, processing, validation and dissemination activities. The scope of the conference includes the following fields of application: fission and fusion energy, accelerator technology, dosimetry and shielding, astrophysics and cosmology, safeguards and security, space, medicine, environment. The corresponding needs for improved nuclear data will be addressed.

The ND2010 conference is organized by the Korean Nuclear Society and Korea Atomic Energy Research Institute under the auspices of the OECD Nuclear Energy Agency.

Venue

ND2010 will be held in Jeju Island, Korea. Jeju Island is a World Heritage site. It is a 73 km wide and 41 km long ellipse shaped island with a former volcano in the center, which rises to 1,950 meters above the sea level. More than 6 million tourists visit Jeju every year. Short visits to Jeju do not require a Visa for most countries.

Conference Topics

- Nuclear structure and decay data
- Experimental facilities and detection techniques
- Nuclear data measurements and analysis
- Nuclear theories, models and data evaluation
- Standards
- Evaluated nuclear data libraries and processing
- Validation, benchmarking of evaluated data
- Integral experiments
- Uncertainty quantification and Covariance matrix
- Data dissemination and international collaboration
- Fission energy applications
- Accelerator-related applications
- Fusion technology applications
- Dosimetry and shielding applications
- Safeguards and security
- Space, cosmic-ray applications, radiation effects on electronics
- Astrophysics and cosmology applications
- Medical and environmental applications

Key Dates

Second circular and preliminary registration:	15 June 2009
Deadline for Abstract submission:	30 September 2009
Author notification:	End of December 2009
Deadline for Conference registration:	12 February 2010
Deadline for Full Paper submission:	26 April 2010

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