

## Key Deadlines

### 1 March–2 April 2010

Electronic submission of abstracts and two page synopses (LISA open)  
[www.iaea.org/cgi-bin/lisa-FEC2010/start](http://www.iaea.org/cgi-bin/lisa-FEC2010/start)

### 2 April 2010

Submission of Forms A, B and C to the IAEA through official channels

### 23 August–24 September 2010

Submission of full manuscripts (LISA open)

### 17 September 2010

Submission of post-deadline papers (two page synopses)

### 11 October 2010

Conference commences

### 11 October 2010

Evaluation of post-deadline papers (PC)

### 16 October 2010

Conference ends

### March 2011 (approximately)

Conference proceedings available on CD-ROM and on web site

## Beginning of On-site Registration

10 October 2010

## Conference Secretariat

### Scientific Issues

Submission of two page synopses, abstracts and full manuscripts, conference programme.  
Email address for contacts: [physics@iaea.org](mailto:physics@iaea.org)

### Scientific Secretaries of the Conference

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### Administration and Organization

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### IAEA Meetings

For more information about IAEA meetings, please consult the IAEA web site:  
[www.iaea.org/meetings](http://www.iaea.org/meetings)

CN-180

  
IAEA FEC 2010  
23rd IAEA Fusion Energy Conference

# 23rd IAEA Fusion Energy Conference

11–16 October 2010  
Daejeon, Republic of Korea

Organized by the



Hosted by the

Government of the Republic of Korea

through the

National Fusion Research Institute  **NFRI** 국가핵융합연구소  
National Fusion Research Institute

and the

Daejeon Metropolitan City



## Background

The International Atomic Energy Agency (IAEA) fosters the exchange of scientific and technical results on nuclear fusion research through its Fusion Energy Conference series. The 23rd IAEA Fusion Energy Conference (FEC 2010) is aimed at providing a forum for discussing current research-driving physics and technology issues as well as innovative plasma confinement concepts of direct relevance to fusion as a source of nuclear energy.

## Objective

With a number of next step fusion devices being implemented, such as the International Thermonuclear Experimental Reactor (ITER, Cadarache, France) and the National Ignition Facility (NIF, Livermore, USA), and the need to demonstrate both the technological feasibility of fusion power plants and the economic viability of fusion energy production, the fusion community is now facing new challenges that will determine research orientations in the near term and in the coming decades.

The scientific scope of FEC 2010 will reflect the priorities of this new era of fusion energy research. The conference aims to serve as a platform where the results of the research and development efforts shaped by these new priorities — including both national and international fusion experiments — will be used to assess advances in fusion theory, experiments, technology, engineering, safety and socioeconomics around the world. These results will be set against the backdrop of the requirements for a net energy producing fusion device and a fusion power plant in general, to help define the way forward.

With the contributions of international organizations such as ITER-IO and EURATOM, as well as the collaboration of more than 40 countries and several research institutes, including those working on smaller plasma devices, it is expected that this conference will contribute to identifying possibilities and means for continued effective international collaboration embracing the entire spectrum of contributors.

## Programme Structure

The conference programme will consist of an opening session, overview sessions, technical sessions with invited and contributed papers, daily poster sessions and a closing session. The Nuclear Fusion Prize will be awarded during the conference.

## Topics

OV	Overviews
EX/C	Magnetic Confinement Experiments: Confinement
EX/S	Magnetic Confinement Experiments: Stability
EX/W	Magnetic Confinement Experiments: Wave-plasma interactions – current drive, heating, energetic particles
EX/D	Magnetic Confinement Experiments: Plasma-material interactions – divertors, limiters, SOL
TH/C	Magnetic Confinement Theory and Modelling: Confinement
TH/S	Magnetic Confinement Theory and Modelling: Stability
TH/W	Magnetic Confinement Theory and Modelling: Wave-plasma interactions – current drive, heating, energetic particles
TH/D	Magnetic Confinement Theory and Modelling: Plasma-material interactions – divertors, limiters, SOL
ITR	ITER Activities
IFE	Inertial Fusion Experiments and Theory
ICC	Innovative Concepts
FTP	Fusion Technology and Power Plant Design
SEE	Safety, Environmental and Economic Aspects of Fusion

## Target Audience

The conference aims to bring together senior scientific fusion project leaders, plasma physicists including theoreticians, experimentalists, experts in the various multidisciplinary fields of fusion science and technology, materials engineers, and operators of fusion devices.

## Side Events

Exhibitions on fusion technology and satellite meetings are expected to take place during the conference.

## Working Language

English

## Registration Fee

No registration fee is charged to participants.

## Conference Announcement and Call for Papers

The full conference announcement and call for papers is available on the IAEA web site: [www-pub.iaea.org/MTCD/Meetings/Announcements.asp?ConfID=38091](http://www-pub.iaea.org/MTCD/Meetings/Announcements.asp?ConfID=38091)

## Electronic submission of abstracts and two page synopses (LISA)

[www.iaea.org/cgi-bin/lisa-FEC2010/start](http://www.iaea.org/cgi-bin/lisa-FEC2010/start)

## Local Conference Website

[www.fec2010.kr](http://www.fec2010.kr)