

Working Language

English

Registration Fee

No registration fee is charged to participants.

Conference Announcement & Call for Papers

The full conference announcement and call for papers will be made available by January 2008 through a link on the IAEA web site: <http://www.iaea.org/Meetings>

Key Deadlines

3 March - 4 April 2008	Electronic submission of abstracts and two page synopses (LISA open) http://www.iaea.org/cgi-bin/lisa/start
4 April 2008	Submission of Forms A, B and C to the IAEA through official channels
22 Aug.-19 Sept. 2008	Submission of full manuscripts (LISA open)
19 September 2008	Submission of post-deadline papers (two page synopsis)
13 October 2008	Conference starts
13 October 2008	Evaluation of post-deadline papers (PC)
18 October 2008	Conference ends
March 2009	Conference Proceedings on CD-ROM and on web site

CONFERENCE SECRETARIAT

Scientific issues (submission of two page synopses, abstracts and full manuscripts, conference programme)
Email address for paper submission: physics@iaea.org

Scientific Secretaries of the Conference:

Mr. Günter Mank

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Administration and organization:

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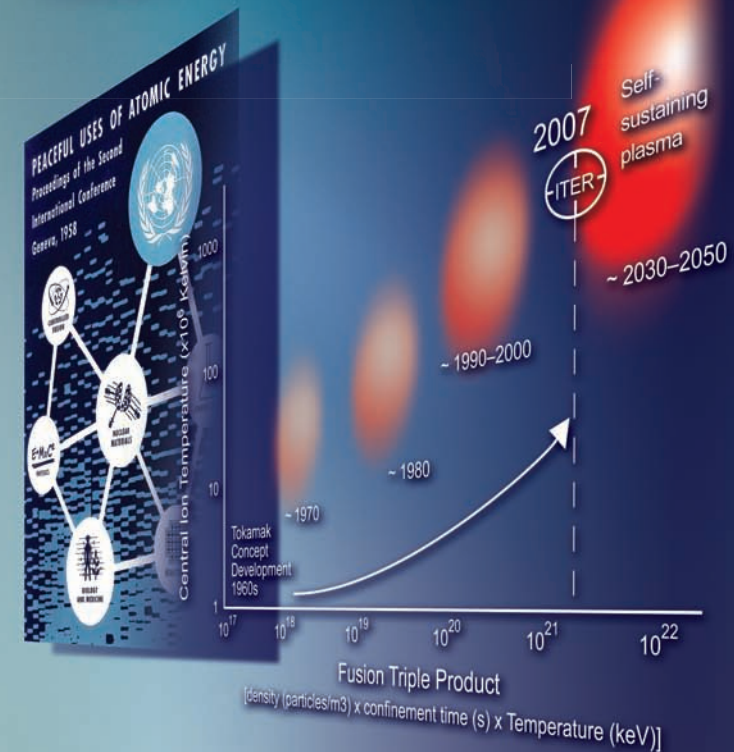
Conference web site:

Direct link to the conference web site:

<http://www-pub.iaea.org/MTCD/Meetings/Announcements.asp?ConfID=165>

22nd IAEA Fusion Energy Conference

13–18 October 2008
Geneva



Organized by the  **IAEA**
International Atomic Energy Agency

Hosted by the  Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

through the Centre de Recherches en Physique des Plasmas
Association Euratom-Confédération Suisse
Ecole Polytechnique Fédérale de Lausanne

Background

Recognizing the prominent global role of nuclear energy, and based on the expectation that nuclear fusion will be able to provide an abundant source of energy, the International Atomic Energy Agency (IAEA) supports the exchange of scientific and technical information on fusion research through conferences, meetings and projects. The 22nd IAEA Fusion Energy Conference (FEC 2008) provides a forum to present and discuss current progress and developments in fusion experiments, theory and technology.

Objective

The overall objective of the conference is to bring together fusion scientists to present their most recent results and to discuss the various options for a streamlined approach with the goal of building the first demonstration power plant before the middle of the 21st century.

With the contributions of international organizations such as ITER-IO and Euratom, as well as the collaboration of more than forty countries and many institutes, including those working on smaller plasma devices, it is expected that this conference will contribute to the identification of possibilities and means for an effective international collaboration embracing the overall spectrum of contributors.

Programme Structure

The overall conference programme will consist of an opening session, selected overview sessions, technical sessions with invited and contributed papers, daily poster sessions and a closing session. The Nuclear Fusion Prize award will take place before the summary session. A special ceremony will take place prior to the conference reception to commemorate fifty years of international collaboration on fusion research, initiated during the second IAEA Conference on the "Peaceful Uses of Atomic Energy", held in 1958 in Geneva.

Topical Areas and Subtopics

- (OV) Overview
- (EX) Magnetic confinement experiments
 - (EX-C) Confinement
 - (EX-S) Stability
 - (EX-W) Wave-plasma interactions – current drive, heating, energetic particles
 - (EX-D) Plasma-material interactions – divertors, limiters, SOL
- (TH) Magnetic confinement theory and modelling
 - (TH-C) Confinement
 - (TH-S) Stability
 - (TH-W) Wave-plasma interactions – current drive, heating, energetic particles
 - (TH-D) Plasma-material interactions – divertors, limiters, SOL
- (IT) ITER activities
- (IF) Inertial fusion experiments and theory
- (IC) Innovative confinement concepts
- (FT) Fusion technology and power plant design
- (SE) Safety, environmental and economic aspects of fusion

Target Audience

The conference aim is to bring together senior scientific fusion project leaders, plasma physicists, such as theoreticians, experts on the various multidisciplinary fields of fusion science and technology, material engineers, experimentalists and operators of fusion devices.

Side Events

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

