

Monaco iter

International Fusion Energy Days

Under the High Patronage of His Serene Highness Prince Albert II of Monaco

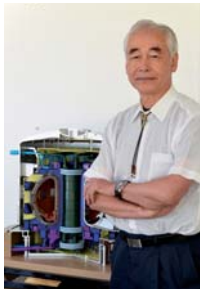
PRINCIPAUTÉ
DE MONACO

Partnership with: UN RÔLE À PART DANS LE MONDE.

December 2-4, 2013
Grimaldi Forum,
Monaco

iter

china eu india japan korea russia usa



Dear Sir, Madam,

I am pleased to welcome you to Monaco for this major Monaco-ITER event on fusion energy, MIIFED 2013.

The three days of the conference will allow us to take stock of what has been - and what will be - achieved by one of the most exciting scientific and technological projects on Earth.

ITER is to fusion energy what the Apollo project was to landing on the Moon: the culmination of decades of effort for one of the most exciting, most meaningful ventures in human history. ITER is now well on its way: construction is progressing rapidly in Saint Paul-lez-Durance and the manufacture of components has begun in the 35 countries that are participating in this ambitious scientific experiment, which is also an unprecedented international collaboration.

It is the right time to show and share what we have learned together and what we are achieving. And also time to look to the future. The aim of MIIFED 2013 is to develop further scientific cooperation and technology transfers and also to prepare the ground for future fusion reactors. MIIFED 2013 also aims to encourage synergies between energy-related research and technology developments.

I would like to thank His Serene Highness Prince Albert II for his constant support of the ITER Project and his enduring generosity, in particular for the Monaco fellowships and the MIIFED conferences.

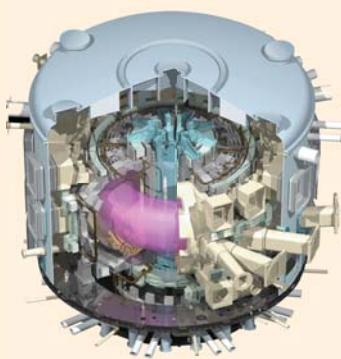
I hope your participation in MIIFED 2013 will be both interesting and productive, and look forward to meeting you.

Osamu Motojima

Director-General, ITER Organization

ABOUT ITER

ITER is a large-scale scientific experiment that aims to demonstrate that it is possible to produce commercial energy from fusion.



A cut-away view of the ITER Tokamak, revealing the donut-shaped plasma inside of the vacuum vessel.

$Q \geq 10$ represents the scientific goal of the ITER project: to deliver ten times the power it consumes. From 50 MW of input power, the ITER machine is designed to produce 500 MW of fusion power - the first of all fusion experiments to produce net energy.

During its operational lifetime, ITER will test key technologies necessary for the next step: the demonstration fusion power plant that will prove that it is possible to capture fusion energy for commercial use.

The science going on at ITER - and all around the world in support of ITER - will benefit all of mankind.

We firmly believe that to harness fusion energy is the only way to reconcile the huge conflicting demands which will confront humanity sooner or later.

The issue at stake is how to reconcile the imperative, constantly growing demand of the majority of the world's population to raise its standard of living ... with the enormous environmental hazards resulting from the present energy supply ...

... In our opinion, the use of fusion energy is a "must" if we want to be serious about embarking on sustainable development for future generations.

Director-General Osamu Motojima, Opening address, Monaco International ITER Fusion Energy Days (MIIFED), November 23, 2010

$Q \geq 10$

The Q in the formula symbolizes the ratio of fusion power to input power.

Programme outline

Grimaldi Forum Monaco, December 2-4, 2013

Sunday, December 1, 2013

15.00 - 18.00 REGISTRATIONS

Monday, December 2, 2013

10.00 - 13.00 THE GLOBAL ENERGY LANDSCAPE - Plenary Session

Congress Opening:

ITER Director-General Osamu Motojima, His Serene Highness Prince Albert II of Monaco

Keynote Lecture

- Maria van der Hoeven, *Executive Director, International Energy Agency*
- Yukiya Amano, *Director General, International Atomic Energy Agency*

13.00 - 14.00

Lunch

14.00 - 18.00

THE GLOBAL ENERGY LANDSCAPE - Plenary Session

Keynote Lecture

- Chris Llewellyn Smith, *former Director General of CERN*

Round Table

Fusion and energy policies in the seven ITER Members and France

PRESS PROGRAMME

13.00 - 14.00

Press conference

14.00 - 15.00

Press briefing - Where are we with ITER construction?

15.00 - 16.00

Press briefing - Is the fusion of heavy nuclei possible?

16.00 - 17.00

Press - Disruptions, instabilities: is ITER safe?

Tuesday, December 3, 2013

09.00 - 13.00 NEW TECHNOLOGIES FOR A NEW INDUSTRY

Room 1

09.00 - 11.00

Energy visions from industry leaders:

J. Parmentola (*General Atomics*), U. Minopoli (*Ansaldo Nucleare*),
M.V. Kotwal (*Larsen & Toubro*), M. Inoue (*Mitsubishi*)

11.00 - 12.00

Round Table

Industry views on the ITER project

12.00 - 13.00

From design to procurement: The making of ITER

Room 2

10.00 - 11.00

Real benefits from international cooperation

11.00 - 12.00

Participant Forum 1

12.00 - 13.00

Future call for tenders

13.00 - 14.00

Lunch

Programme outline

14.00 - 18.00 NEW TECHNOLOGIES FOR A NEW INDUSTRY

Room 1

14.00 - 15.00	Manufacturing the largest magnet in the world
15.00 - 16.00	Can SMEs join in a gigantic project?
16.00 - 17.00	How to deal with IP and export control
17.00 - 18.00	Fusion and capital: why financiers support ITER

Room 2

14.00 - 15.00	Participant forum 2
15.00 - 16.00	The socio-economic impact of fusion
16.00 - 17.00	How ITER and fusion drive technology for other industries
17.00 - 18.00	Virtual visit of ITER manufacturing

Wednesday, December 4, 2013

09.00 - 13.00 FORWARD DEVELOPMENTS OF FUSION

Room 1

09.00 - 10.00	Other concepts H. Yamada (<i>NIFS</i>)
10.00 - 11.00	Inertial fusion S. Jacquemot (<i>EPS Plasma Physics Division</i>)
11.00 - 13.00	Plans for DEMO in China, EU, Japan, Korea and US G. Janeschitz (<i>ITER Organization, Engineering Officer</i>)

Room 2

09.00 - 10.00	Fusion education J. Jacquinot (<i>Former Director of JET, Scientific Adviser to the French High Commissioner for Atomic Energy</i>)
10.00 - 11.00	Participant forum 3
11.00 - 12.00	New materials & spin-offs Ch. Linsmeier (<i>Max Planck Institute of Plasma Physics</i>)
12.00 - 13.00	Participant forum 4

13.00 - 14.30 LUNCHEON ROUNDTABLE

Lessons from big science
M. Uehara (*Oak Ridge National Laboratory*)

14.30 - 16.30 LOOKING TO THE FUTURE - Plenary Session

14.30 - 15.30	Virtual visit of ITER and realizations
15.30 - 16.30	Closing session: In search of energy

The following high level speakers have already accepted to contribute to MIIFED 2013:

- **His Serene Highness PRINCE ALBERT II**
- **Yukiya AMANO**, *Director General, International Atomic Energy Agency*
- **Bernard BIGOT**, *Chairman, CEA, France*
- **Jean-Jacques DORDAIN**, *Director-General, European Space Agency*
- **Charles ELACHI**, *Director, Jet Propulsion Laboratory, USA*
- **Masako INOUE**, *Director, Mitsubishi Heavy Industries, Japan*
- **Madhukar KOTWAL**, *Member of the Board, Larsen & Toubro, India*
- **Sir Chris LLEWELLYN SMITH**, *former Director-General, CERN*
- **Umberto MINOPOLI**, *President, Ansaldo Nucleare, Italy*
- **Ed MOSES**, *Principal Associate Director, National Ignition Facility, USA*
- **Osamu MOTOJIMA**, *Director-General, ITER Organization*
- **Sun Soon PARK**, *CEO of Dawonsys, South Korea*
- **John PARMENTOLA**, *Senior Vice-President, General Atomics, USA*
- **Hideyuki TAKATSU**, *Chair of the ITER Council*
- **Maria VAN DER HOEVEN**, *Executive Director, International Energy Agency*



Yukiya AMANO

Director General of the International Atomic Energy Agency (IAEA). Prior to his election, Mr. Amano was Japan's Resident Representative to the Agency from 2005, and served as Chair of the Agency's Board of Governors from September 2005 to September 2006. He has extensive experience in disarmament and non-proliferation diplomacy, as well as nuclear energy issues. During his career at the Japanese Foreign Ministry, Mr. Amano served as Director-General for the Disarmament, Non-Proliferation and Science Department, and as a governmental expert on the U.N. Panel on Missiles and on the U.N. Expert Group on Disarmament and Non-Proliferation Education. He contributed to the 1995, 2000 and 2005 Nuclear Non-Proliferation Treaty Review Conferences, and chaired the 2007 Preparatory Committee for the 2010 Review Conference.



Madhukar KOTWAL

Member of the Board and President, Heavy Engineering, Larsen & Toubro Limited, India's largest engineering, manufacturing and construction conglomerate, with annual group revenues exceeding US \$ 14 Billion. He is responsible for business units and production facilities equipped for design and manufacture of a wide range of equipment and systems for Refinery, Fertilizer and Petro-chemical plants, Nuclear and Thermal Power plants, Defence, Aerospace and Shipbuilding industries. He is a fellow of INAE, has been associated with the leading Indian industry associations, and has also been a member of the Technical Advisory Group for ITER.



Chris LLEWELLYN SMITH

Director of Energy Research, Oxford University, and President of the Council of SESAME. He has chaired the Council of ITER, directed the UK's fusion programme, and served as Provost and President of University College London and Director General of CERN (1994-1998, when the Large Hadron Collider was approved and construction started). He has written and spoken widely on science funding, international scientific collaboration and energy issues, and served on numerous advisory bodies. His scientific contributions to theoretical high energy physics and leadership have been recognised by awards and honours world-wide.



Maria VAN DER HOEVEN

Executive Director of the International Energy Agency since 1 September 2011. Previously, Ms. Van der Hoeven served as Minister of Economic Affairs of the Netherlands from February 2007 to October 2010, during which time she demonstrated leadership on energy policy at the national, regional and global levels. Prior to becoming Minister of Economic Affairs, Ms. Van der Hoeven was Minister of Education, Culture and Science from 2002 to 2007. She was an elected member of the Netherlands House of Representatives of the States-General from 1991 to 2002. Until 1987 she was head of the Adult Commercial Vocational Training Centre in Maastricht, after which she served as head of the Limburg Technology Centre until 1991.

About MIIFED

The conference will present the latest progress of the ITER Project. The seven ITER Members (China, Europe, India, Japan, Korea, Russia and the USA) are currently building the biggest fusion reactor ever in Saint Paul-lez-Durance, France. The first experiments are scheduled for 2020. The truly international MIIFED event will also present major scientific and technological developments in the field of fusion and energy worldwide. The aim is to encourage synergies between energy-related research and technology developments. Together with the exhibition, the different conference sessions will facilitate learning, networking and partnering with other research actors. The event will also review project feedback so far with a view to stimulating further involvement and networking, in particular among industry representatives and researchers from the seven ITER Members.

CONGRESS WEB SITE

www.miifed2013.com - Registration and accommodation

CONGRESS VENUE

GRIMALDI FORUM - 22, Avenue Princesse Grace, 98000 Monaco - www.grimaldiform.com

REGISTRATION

All registration fees, shown in euros, are VAT exempt.

REGISTRATION FEE	Early Bird Deadline: October 20, 2013	Late From: October 21, 2013 Deadline: November 21, 2013	On site From: November 22, 2013
Participant	€ 300,00	€ 370,00	€ 450,00
Student*	€ 150,00	€ 190,00	€ 250,00
Companion	€ 150,00	€ 190,00	€ 250,00
One day pass	€ 150,00	€ 190,00	€ 250,00

* Participants must send copies of Student Card, ID Pass, Press Card to Publi Créations in order to benefit from the reduced rates.

Registration fee includes:

- Attendance to all Scientific Sessions • Welcome Reception on December 1, 2013 • Congress Cocktail on December 2, 2013
- Lunches and Refreshments during breaks • Congress kit • Entrance to the Exhibition

Companion fee includes:

- Welcome Reception on December 1, 2013 • Congress Cocktail on December 2, 2013
- Lunches and Refreshments during breaks • Entrance to the Exhibition

ACCOMMODATION

Rooms at special congress rates are being held for congress participants at hotels in Monaco (various categories). **All rates are quoted in euros, per room, per night and include breakfast, service and VAT unless otherwise specified. Please note that a minimum stay of two nights is required.**

HOTELS	
Fairmont****	€ 195.81
Méridien Beach Plaza ****	€ 195.81
Monte Carlo Bay ****	€ 195.81
Columbus ***	€ 157.29
Novotel ***	€ 147.00

IMPORTANT DATES

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|---------------------------|--|
| September 30, 2013 | ▶ Deadline for submission of Abstracts |
| October 14, 2013 | ▶ Notification to the authors of the decisions of the Scientific Committee regarding acceptance / rejection of Abstracts |
| October 20, 2013 | ▶ Early Bird Registration |
| November 21, 2013 | ▶ End of advance registrations
Late Registration fee |
| November 22, 2013 | ▶ Only on-site registrations will be available (Starting from December 1 st) |



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