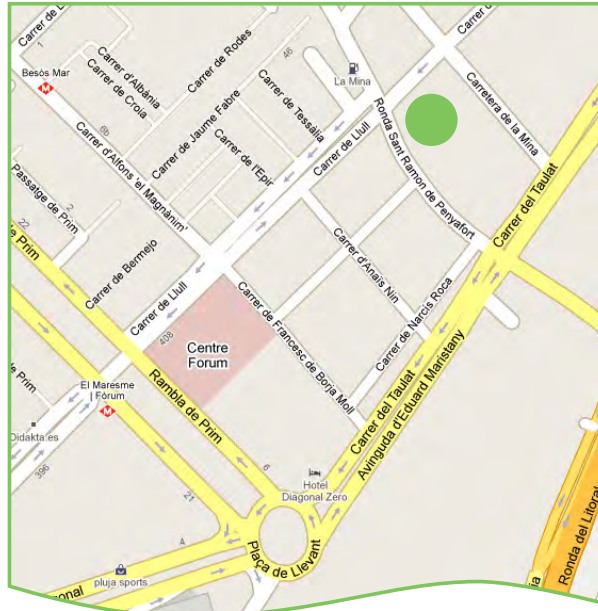


## Venue:

### IREC Conference room

Jardins de les Dones de Negre, 1, 2nd floor  
(intersection of carrer Llull and carrer Sant Ramon de Penyafort)

08930 Sant Adrià de Besòs, Barcelona



## Organized by:



## Sponsored by:



## With the collaboration of:



## Contact:

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Grisha Domakowski: grisha@btec.cat

Fundació

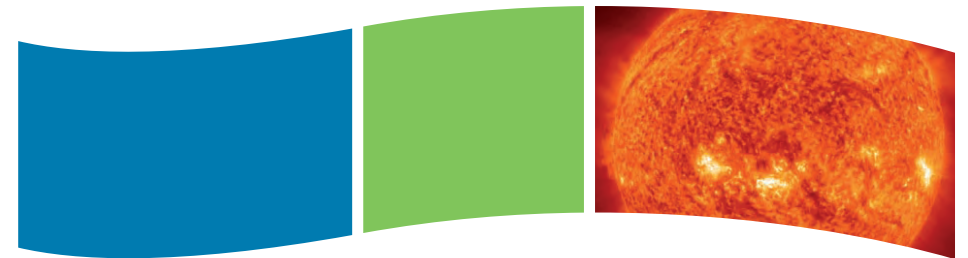
# b\_TEC

Campus Diagonal-Besòs

# IREC<sup>R</sup>

Institut de Recerca en Energia de Catalunya  
Catalonia Institute for Energy Research

# Summer Technical Course Fusion Technologies and ITER Project



13-14 July 2011  
9:00am - 18:00pm

## The seminar

will be organized in several blocks related to different ITER related topics. After a first introduction to nuclear fusion, the ITER project and Tokamak technologies, a second block will cover organizational, managerial and procurement topics of ITER. A third block will focus on specific ITER systems and components such as plants systems, plasma facing components, fuelling system, heating and current drive systems. Finally, a dedicated session to industry experience will include presentations from Spanish industry presently working for the ITER project.

### The ITER project

is the construction of an experimental fusion reactor in Cadarache (South of France). It is currently the world's largest scientific partnership which will reproduce the physical reaction - fusion - that occurs in the sun and stars. ITER aims to do this at a scale and in conditions that will demonstrate the scientific and technological feasibility of fusion as an energy source. The partner countries of this project are the European Union, China, India, Japan, Korea, the Russian Federation and the USA.

### Fusion for Energy (F4E)

is the European Union's Joint Undertaking for ITER and was established in 2007 in Barcelona for a period of 35 years. F4E is responsible for providing Europe's contribution to ITER, 45% of the overall construction costs. The agency also supports fusion research and development initiatives through the Broader Approach Agreement, signed with Japan.

Registration requested before 8th July.

For registration contact Grisha Domakowski at [grisha@btec.cat](mailto:grisha@btec.cat)

## Program

### Wednesday 13 July

|             |   |                            |
|-------------|---|----------------------------|
| 9:00-10:00  | Introduction to Nuclear Fusion                                | <i>X. Dies (UPC)</i>       |
| 10:00-11:00 | The ITER Project  | <i>J. Sanchez (Ciemat)</i> |
| 11:00-11:30 | <i>Coffee break</i>   |                            |
| 11:30-12:30 | Tokamak Reactor Technologies                                  | <i>I. Ricapito (F4E)</i>   |
| 12:30-13:30 | ITER Project Office & Management.                             | <i>F. Casci (F4E)</i>      |
| 13:30-15:30 | <i>Break</i>  |                            |
| 15:30-16:15 | Procurement Policy and Contractual conditions                 | <i>B. Perier (F4E)</i>     |
| 16:15-17:15 | ITER configuration management, codes, standard, safety and QA | <i>P.Y. Chaffard (F4E)</i> |
| 17:15-18:00 | IPR management  | <i>V. Saez (F4E)</i>       |

### Thursday 14 July

|             |   |                            |
|-------------|---|----------------------------|
| 9:00-10:00  | Plasma Facing Components                            | <i>P. Lorenzetto (F4E)</i> |
| 10:00-11:00 | Fuelling system                                     | <i>R. Lässer (F4E)</i>     |
| 11:00-11:30 | <i>Coffee break</i>                                 |                            |
| 11:30-12:30 | Cryoplants and cryopumps                            | <i>R. Lässer (F4E)</i>     |
| 12:30-13:30 | Heating and Current Drive                           | <i>T. Bonicelli (F4E)</i>  |
| 13:30-15:30 | <i>Break</i>  |                            |
| 15:30-16:15 | Industry experience with ITER and F4E: Introduction |                            |
| 16:15-17:15 | Industry experience 1: Elytt/Iberdrola              | <i>(tbc)</i>               |
|             | Industry experience 2: Empresarios Agrupados        |                            |
| 17:15-18:00 | Industry experience 3: Procon Systems               |                            |
|             | Industry experience 4: <i>to be confirmed</i>       |                            |