



CERAMIC BREEDER BLANKET INTERACTIONS

12–14 September 2013
Barcelona, Spain
(the week before ISFNT-11)

first announcement

Hosted by CIEMAT/IREC
with KIT support



March 1, 2013

Program Advisory Committee

Dear Colleague:

You are invited to participate in the 17th International Workshop on the Ceramic Breeder Blanket Interactions to be held from 12th-14th of September, 2013 in Barcelona, Spain.

As most of the IEA members are involved in ITER blanket testing programs based on ceramic breeder concept, the CBBI serves as a focal point for technical discussions and information exchange.

Your presentations and/or topical discussions are essential contributions to the advancement of the ceramic breeder blanket as a vital system for tritium fuel production and energy extraction in a fusion energy reactor. We look forward to seeing you at CBBI-17

Sincerely,

Dr. Joaquin Sanchez

Head of the CIEMAT Fusion Programme

CBBI-17 is held under the auspices of the IEA Implementing Agreement and Japan-US Fusion Collaboration Framework on the Nuclear Technology of Fusion Reactors.

Mohamed Abdou (UCLA)
Lorenzo V. Boccaccini (KIT)
Paritosh Chaudhuri (IPR)
Xiaojun Chen (CAEP)
Seungyon Cho (NFRI)
Rajendra K. Ellappan (IPR)
Mikio Enoeda (JAEA)
Kaiming Feng (SWIP)
Victor Kovalenko (NIKIET)
Angel Ibarra (CIEMAT)
Edward Stevens (US-DOE)
Andry Leshukov (NIKIET)
Takayuki Terai (University of Tokyo)
Regina Knitter (KIT), Scientific Secretary

Local Organizing Committee

M. Sanmarti, IREC
A. Garcia, CIEMAT

CBBI-17 Workshop Contact Persons

Maria Gonzalez (local organization)
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Scope

CBBI-17 will provide a forum for the specialists involved in the design, research, development and testing of materials and components for lithium ceramic based breeding blankets. The emphasis is on the ITER test program and solid breeder R&D. The workshop will include presentations on recent technical progress, discussions on the status of selective key issues for ceramic breeder blanket interactions, and formulation of ways to address those issues in the future.

Technical Program

- Evolutions in Solid Breeder Blanket Design: DEMO and ITER TBM
- Progress in Ceramic Breeder Material Development, Properties and Characterisations
- Irradiation Testing and Recent Results
- Modeling and Experiments of Pebble Bed Thermo-mechanics and Properties
- Topical Discussions:
 1. New material productions;
 2. Tritium permeation in the Breeding Zone;
 3. Life limiting factors and achievable peak power density for solid breeder blankets.

Call for Abstracts

Authors are kindly requested to submit abstracts for contributed presentations. The deadline for abstract submission is 1 June 2013.

The abstracts should be submitted as an attachment via electronic mail (as Word file) to Dr. Regina Knitter (regina.knitter@kit.edu). They should fit inside of a box 16.5 cm (6.5 inches) wide by 24.1 cm (9.5 inches) high. The title should be centered, with a blank line separating the title, the author(s), affiliation(s), and the main body of the abstract. The presenting author should be underlined. Times 12 pt font should be used in the text and 14 pt for the title.

The program committee will advise in the selection of presentations, and participants may be asked to contribute to the Topical Discussions. Authors and contributors will be notified by 30 June 2013.

Publication

The publication of presentation/papers will be ensured by KIT as KIT Scientific Report and in e-form accessible from a dedicated web site.

Key Dates

Abstract Due:	1 June 2013
Notification to Authors:	30 June 2013
Call for Registration:	31 July 2013
Workshop Opening:	12 Sept 2013
Manuscript Due:	14 Sept 2013

Workshop Location

The workshop will be held in IREC, Barcelona, Spain (walking distance from F4E):

<http://www.irec.cat/index.php/en/location--contact-us>

Hotel Accommodations

It is recommended to book your accommodation using the link of ISFNT: <http://www.isfnt-11.org/accommodation.html>.

Workshop Information

CBBI-17 will take place in the week before ISFNT-11 (<http://www.isfnt-11.org/>) both of which will be held in Barcelona, Spain.

A CBBI-17 web site will be available soon.