

FIRST ANNOUNCEMENT

CBBI-20

20th International Workshop on CERAMIC BREEDER BLANKET INTERACTIONS



18-20 September 2019

Karlsruhe Institute of
Technology,
Campus North

WELCOME ADDRESS

Dear Colleague,

You are cordially invited to participate in the 20th International Workshop on Ceramic Breeder Blanket Interactions to be held on 18-20 September 2019 at KIT, Germany.

The CBBI serves as a focal point for technical discussions and information exchange within the scope of ceramic breeder concepts, which most of the IEA members are involved in by the ITER blanket testing programs or the realization of DEMO.

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 are looking forward to seeing you at CBBI-20.

Yours sincerely,



Dr. Regina Knitter

PROGRAM ADVISORY COMMITTEE

M. Abdou (UCLA)
M.-Y. Ahn (NFRI)
L.V. Boccaccini (KIT)
P. Chaudhuri (IPR)
X. Chen (CAEP)
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A. Ibarra (CIEMAT)
Y. Kawamura (QST)
R. Knitter (KIT)
T. Terai (University of Tokyo)

LOCAL ORGANIZING COMMITTEE

Regina Knitter
Matthias H.H. Kolb

CBBI-20 WORKSHOP CONTACT

E-mail: cbbi-20@fusion.kit.edu

CBBI-20 is held under the auspices of the IEA Implementing Agreement on the Nuclear Technology of Fusion Reactors.

The workshop will take place in the week before ISFNT-14 in Budapest, Hungary (www.isfnt-14.org).

SCOPE

CBBI-20 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 for DEMO. The workshop will include presentations on recent technical progress.

TECHNICAL PROGRAM

- Solid breeder blanket design for ITER TBM and DEMO
- Ceramic breeder material development, production and qualification
- Modeling and properties of pebble beds
- Hydrogen isotope de-/sorption and transport phenomena
- Irradiation testing
- Topical discussions on selective key issues for ceramic breeder blankets

The **25th IEA Subtask-1 Review Meeting on Solid Breeder Blanket** under Annex-1 of IEA-IA on NTFR is scheduled subsequent to CBBI-20, on Friday afternoon, 20 Sept. 2019.

CALL FOR ABSTRACTS

Authors are kindly requested to submit abstracts for contributed presentations. The deadline for abstract submission is 15 April 2019.

The abstracts should be submitted as an attachment (Word document) via email to cbbi-20@fusion.kit.edu.

For the submission of abstracts, a dedicated word template will be provided for download at the website in the coming weeks.

The program advisory 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 31 May 2019.

The given presentations will be issued as workshop proceedings.

KEY DATES

Deadline for Abstracts	15 April 2019
Notification to Authors	31 May 2019
Registration until	15 July 2019

WORKSHOP LOCATION



The workshop will be held at KIT Campus North, in Leopoldshafen, Germany, about 12 km north of Karlsruhe.

ACCOMMODATION

Hotels will be recommended later on our web page. A shuttle bus will be organized for the recommended hotels.

WORKSHOP DINNER

A joint workshop dinner will be organized on Thursday, 19 September 2019.

VISA INFORMATION

We will issue invitation letters for visa applications only on request. Please contact us in due time.