

Third IAEA Technical Meeting on Divertor Concepts

Monday 04 November 2019 - Thursday 07 November 2019

IAEA Headquarters, Vienna, Austria

Scientific Programme

The Technical Meeting will include invited and contributed papers (orals and posters). Oral presentations will be followed by poster presentations to enhance topical discussions. It is expected that all talks will be approximately 20 minutes with around ten minutes for discussion.

An International Programme Advisory Committee (see below) consisting of a representative international membership will be responsible for the selection of papers, the arrangements of technical sessions and the overall scientific content of the meeting.

The **International Programme Advisory Committee** is composed of the following members:

Leonard, Anthony (Chair) - **United States of America**
Asakura, Nobuyuki - **Japan**
Hong, Suk-Ho - **Republic of Korea**
Kobayashi, Masahiro - **Japan**
LaBombard, Brian - **United States of America**
Lipschultz, Bruce - **United Kingdom**
Morris, William - **United Kingdom**
Neu, Rudolf - **Germany**
Pitts, Richard - **ITER Organization**
Wang, Liang - **China**
Wischmeier, Marco - **Germany**
Zheng, Guoyao - **China**

The sessions will be devoted to the following topics:

Divertor and Confinement

Key words: H Mode, divertor volume impact on confinement, constraints governed by core performance for ITER-like and advanced geometries.

Radiative Power Exhaust

Key words: Control and optimization of radiative layers and radiative divertors for ITER-like and advanced geometries.

Scrape-off Layer and Divertor Physics

Key words: power decay length, ELMs and their mitigation for ITER-like and advanced geometries.

Steady State Operation and Transient Heat Loads

Key words: power decay length, ELMs and their mitigation for ITER-like and advanced geometries.

Plasma Facing Component Materials and Heat Exhaust for Steady State Operation

Key words: armour materials, target geometry, water/helium cooling design, cooling channel arrangement, heat sink activation, thermal conductivity and contact ageing.

Divertors for DEMO and Reactors

Key words: safe operation, control diagnostics, protection from neutron flux, component life time, cassette design for remote maintenance.

Overview