

Dear Colleagues,

this is the second announcement of the forthcoming 2nd EFDA Transport Topical Group workshop, which is held at JET from the 16th to the 18th of September.

This meeting is planned to be a real “workshop” with the goal of an extreme focus on a limited set of very specific topics. These have been identified by the EFDA TTG Scientific Committee on the basis of several fruitful discussions with many colleagues within our transport community. These topics have been approved by the STAC as part of the EFDA scientific workprogramme 2008–2009.

A very focused workshop on specific topics is planned in order to make the point on what has been made so far and what can be made in the short future on research activities under priority support (task agreements) in the EFDA workprogramme 2008–2009 and on the future EFDA workprogramme 2010-2011.

To this end, the workshop is structured in a total of six sessions. Five sessions are dedicated to the five research activities which are at present under task agreements in the EFDA workprogramme 2008–2009.

- **Role of Turbulence and long-range correlations during the development of edge transport barriers** (coordinator: C. Hidalgo)
- Physics of rotation, with emphasis on
Poloidal rotation at the plasma edge
(coordinator: B. Duval)
- Turbulence and transport, particle sources and impurity influx in the boundary of fusion devices, with emphasis on
Problems in determining the particle and energy flux to the first wall
(coordinator: A. Kirk)
- Core impurity transport in plasmas with different dominant core turbulence, with emphasis on
Identification of experimental conditions leading to an outward convection of heavy impurities in the core
(coordinator: C. Giroud / C. Angioni)
- Test particle behaviour, with emphasis on
Developing techniques for investigating basic transport mechanisms using

gas puff imaging and visible fast cameras, and phase space resolved supra-thermal ion injection.

(coordinator: A. Fasoli / U. Stroth)

Each of these sessions will have introductory talks reporting on the status of the international research on that specific topic, and presenting the specific plans and activities undertaken in the EFDA topical group, as points for discussion.

Contributions from participants are foreseen in the form of short oral presentations (4-5 slides at the most).

Abstracts can be sent to clemente.angioni@ipp.mpg.de. The deadline for submission is the 25th of July.

The last session is proposed for an open discussion on topics for the future EFDA scientific workprogrammes. In particular, in the workprogramme 2010–2011, two specific topics are already under discussion.

In the framework of the L–H transition physics, **L-H power threshold and ELM control techniques**, and specifically the relationship among resonant magnetic perturbations (RMP), ELMs and the L–H power threshold, has been identified as a topic of very high relevance for present ITER needs. In the framework of direct turbulence measurements, **experimental search of turbulence and transport at small scales** is considered a key step towards the understanding of electron heat transport, particularly in conditions of H–mode operation with temperature ratio close to unity, or in the presence of transport barriers.

In addition, the last session is planned for an open discussion on proposals for future research topics to be proposed to EFDA for priority support (task agreements). Short oral presentations from participants describing possible specific topics are strongly encouraged.

Although the forthcoming EFDA TTG meeting should be considered as an European workshop, we will also discuss how international collaborations might bring an added value to present and future EU TTG projects.

Abstracts for contributions to the meeting, which do not fall in any of the specific research activities described above, might be considered for this last session, in case they provide interesting input for the definition of future research activities. Otherwise, they will be considered as topics to be presented and discussed in future EFDA TTG meetings.

We remind that participation of EU scientists is covered by mobility support.