

IUPAP C16 Plasma Physics Report

1. C16 Committee Meeting.

We held our committee meeting at the joint EPS/ICPP meeting in Stockholm on Thursday 5th July. ICPP is one of the A conferences that IUPAP supports. The IUPAP Young Scientist Prize was awarded to Dr Ian Chapman, Culham Centre for Fusion Energy, during the opening ceremony of the conference.

2. IUPAP web pages.

The Web pages are being updated each member of the C16 committee is providing a half page summary of progress in the different areas of plasma physics. Links to committee member's home pages was discussed but needs to be discussed at the next IUPAP meeting in Rio de Janeiro.

3. Progress on Fusion projects.

At the moment two major high profile projects are underway. The ITER magnetic fusion project in the South of France and the National Ignition Facility (NIF) laser fusion project in California both multi-billion dollar facilities are progressing. The ITER project is international and will be completed in around 2020. The NIF facility is a USA project and undergoing experiments at the present time hoping to get energy gain in a year or so. These two projects need to be included in the IUPAP working group and new commission on energy. A report on these two facilities is being prepared.

4. Abdus Salam International Centre for Theoretical Physics, ICTP.

A discussion took place between the Centre (Dr Joe Niemela, ICTP) and the C16 Chair about the need to continue the plasma activities at ICTP. The Chair was assured that the plasma activity is regarded as important and will continue to be funded. This will allow the developing countries to access high quality training and lectures.