

International Conference on Turbulence

21st – 23rd December 2009

Turbulence is one of the unsolved problems in classical physics. Recent powerful computer simulations and sophisticated experiments have made this field very exciting. To discuss the recent exciting developments in turbulence, an International Conference was organized which saw enthusiastic participation from the turbulence community. Leading national and international scientists in the area of turbulence participated in the conference.

The focus of the conference was on magnetohydrodynamics (MHD), Liquid Metals, and Dynamo. There were also sessions on convective instabilities and turbulence instabilities, fluid turbulence, etc. Altogether there were 11 technical sessions on topics such as MHD, liquid metal, dynamo, astrophysical turbulence, fluid turbulence instabilities, and computational fluid dynamics. All the sessions started with general talks in the subfields. The participants also discussed future collaborations.

There were 32 speakers with 9 international and 23 national scientists and engineers. Among the 23 Indian speakers, 10 were from IIT Kanpur. 25 students registered for the conference with 15 of them from IIT Kanpur. Five participants presented posters. The pdf versions of the talks have been uploaded at the website: <http://home.iitk.ac.in/~mkv/Conf/Talks.html>.

The conference was funded by the Golden Jubilee Committee of IIT Kanpur, the Physics Department of IIT Kanpur, the National Fusion Program, and the Department of Atomic Energy under the BRNS scheme.