

Summer University for Plasma Physics and Fusion Research

Garching, 14 - 18 September 2015

Programme

The course covers the main aspects of plasma physics with emphasis on nuclear fusion: basics of plasma physics – kinetic theory and magneto-hydrodynamic description of a plasma – concepts and experimental results of tokamak and stellarator configurations – external heating and diagnostics of a fusion device – plasma wall interaction and material research – safety and environmental aspects of fusion – inertial fusion – astrophysical plasmas – ITER and the next steps towards a reactor. It includes a tour to the tokamak experiment ASDEX Upgrade.

The lectures are designed for physics and engineering students who have passed their bachelor courses or just started their PhD.

Fee

The school fee is 50 Euro. For students registered at European universities the costs of accommodation, food and an excursion are covered by IPP. Travel costs are borne by the participants.

Application

Applications must be submitted via internet and must include evidence of undergraduate studies (e.g. diploma or bachelor) and a short curriculum vitae. The school is intended for a maximum of 70 participants.

Deadline

31 May 2015

Contact

Ingrid Kaufmann
Max Planck Institute for Plasma Physics
Boltzmannstraße 2
D-85748 Garching near Munich
phone: +49 89 3299-2233
summeruni@ipp.mpg.de

Scientific Programme

Dr. Roberto Bilato
Dr. Ralf Kleiber



Application

www.ipp-summeruni.info