

Warwick Turbulence Symposium

Graduate School and Workshop on Instabilities and Turbulence in MHD Flows

University of Warwick (UK)

June 26 – July 1, 2006

Sponsored by the European Cooperation in the field of Scientific and Technical Research (COST P17) and the UK Engineering and Physical Sciences Research Council (EPSRC)

Financial support for postgraduate students from EU and Israel

Full or partial financial support is available for postgraduate students to attend the School and the Workshop. The application form and the list of eligible countries may be found below.

Aims

The aim of the workshop is to review current status of research on instabilities, transition, and turbulence in magnetohydrodynamic flows. This will include both low- and high- R_m regimes, DNS and various turbulence models, as well as applications to electromagnetic processing of materials, astrophysics, dynamo, and tokamak plasmas. Graduate School will run in parallel, but not interfering with the workshop. Introductory sessions on a particular topic will start in the morning, followed by the afternoon sessions on a similar topic at the workshop. A student poster session and a seminar will be organised during the School. There is no registration fee.

Invited Speakers (confirmed to date)

S. Chapman (University of Warwick)
P.A. Davidson (University of Cambridge)
P.H. Diamond (UCSD)
J.A. Domaradzki (University of Southern California)
B. Dubrulle (CEA, France)
R. von Fay-Siebenburgen (University of Sheffield)
G. Gerbeth (Forschungszentrum Rossendorf, Germany)
A.D. Gilbert (University of Exeter)
H.K. Moffatt (University of Cambridge)
R. Moreau (EPM-MADYLAM)
V. Nakoriakov (University of Warwick)
F. Sahaoui (CETP/CNRS-IPSL, Paris)
A. Schekochihin (University of Cambridge)
A. Shukurov (University of Newcastle)
A. Tsinober (Tel Aviv University)

Preliminary version of the program will be available by 15th February 2006 at the following website: http://www.maths.warwick.ac.uk/%7esnazar/turb_symp/mhd.html

Organising Committee

S. Molokov, S. Nazarenko, A. Thess, Th. Alboussiere and M.R.E. Proctor

Contacts (local branch):

S. Molokov (s.molokov@coventry.ac.uk) – all matters related to the School

S. Nazarenko (snazar@maths.warwick.ac.uk) – general informaion

Support available and rules for reimbursement

Support is available for **20 full-time postgraduate students** to attend the School. The eligible countries are: Belgium, Cyprus, Finland, France, Germany, Greece, Ireland, Israel, Italy, Latvia, Lithuania, Netherlands, Poland, Romania, Spain, Turkey, United Kingdom.

The grant will be based on 80 €per day in support of accommodation, local transport and meals, and most economic travel arrangement (normally not exceeding 200 €). **The total grant per attendee may vary and shall normally not exceed 600 €** If the total estimate of the cost of the trip exceeds 600 €, the attendees ought to obtain the difference from their institutions or from other sources.

Reimbursement will be made by COST Office (Brussels) according to standard procedure established by COST. Reimbursement is made in Euros to the private bank account of the attendee, and is converted into the local currency if necessary. The attendees will sign a form confirming their attendance on each day of stay, and present receipts for travel expenses.

Deadlines and selection

The **deadline for applications is 20th February 2006**. The result of selection will be made known to the applicants by 10th March, 2006. The main aim of the selection committee is to ensure fair representation of attendees across topics and countries.

Useful information

Student accommodation will at available on the campus of University of Warwick at a cost of £30-£40 per night, including breakfast. Lunch will cost around £5-7, and dinner around £10-15. Travel arrangements: please note that the University of Warwick is located not in the city of Warwick, but rather in the green area of the city of Coventry. The nearest airport is Birmingham International, in 15 mins from Coventry city by train.

How to apply

Please fill in the application form on next page and send it by email to Sergei Molokov at s.molokov@coventry.ac.uk .

Graduate Summer School on MHD Application form

First name _____
Surname _____
City _____
Country _____
Year of study _____
Provisional title of the thesis _____

University/
Organisation _____

Address _____

Phone
(incl. country code) _____

Email _____

Poster planned?
(yes/no) _____

Date of arrival _____

Date of departure _____

A. Estimate of the total cost of
the trip (travel+meals+accommodation)
(in Euros) _____

B. Total amount of support requested
(in Euros; Maximum 600 Euros) _____

If **A** > **B**, is additional funding available
from other sources?
(yes/no) _____