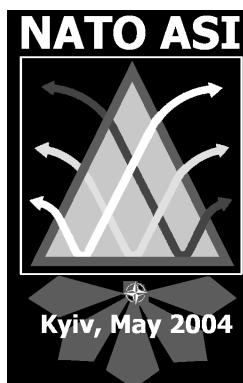


**Institute of Hydromechanics
of National Academy of Science of Ukraine
under sponsorship of NATO Science Programme**

ANNOUNCES



NATO ADVANCED STUDY INSTITUTE
“FLOW AND TRANSPORT PROCESSES
IN COMPLEX OBSTRUCTED GEOMETRIES:
FROM CITIES AND VEGETATIVE CANOPIES
TO INDUSTRIAL PROBLEMS”

Kyiv, Ukraine, May 4–15, 2004

Flows through “complex obstructed geometries” are known in meteorology as “canopy flows”, in hydraulics as flows in vegetated channels or flood plains, as well as in urban ecology and in some engineering problems. The NATO ASI being announced aims to bring together experts from different disciplines with the aim of sharing the up-to-date achievements in this field and dissemination of the knowledge among representatives of junior scientific generation in accordance with the NATO ASI Format. Up to 15 one-and-half-hour and up to 30 half-an-hour lectures by world-known experts are scheduled, as well as oral and poster presentations by junior researchers. In addition, a special one-day session on Environmental Security and Agro-Terrorism Countermeasures is planned.

The ASI will be held in a Kyiv’s sanatorium resort. A wide range of support measures for scientists from NATO countries, from NATO partner countries (New Independent States) and from Mediterranean Dialogue countries is anticipated by the sponsor.

Agenda of the ASI covers following topics:

- Flows with Distributed Mass Force;
- Flows and Dispersion in Urban Areas;
- Vegetation Roughness in River Flows;
- Penetrable Roughness Flows in Engineering;
- Fires in Natural and Urban Canopies;
- Vorticity in Layers with Obstructions;
- LESimulation of Canopy Turbulence;
- Flows over Ocean during storms.

A collection of Abstracts will be prepared before the ASI. Following the meeting, a special ASI book will be published by Kluwer in the NATO Science Series containing the key lectures and most valuable presentations. Other contributions may be recommended for publishing in the **International Journal of Fluid Mechanics Research**.

Organizational Committee of the ASI:

Prof. Lord J.C.R. Hunt, United Kingdom;

Prof. Academician V.T. Grinchenko, IHM NASU, Ukraine;

Prof. Ye.A. Gayev, IHM NASU, Ukraine;

Prof. R.N. Meroney, Colorado University, USA;

Prof. E. Savory, Univ. Western Ontario, Canada.

Prospective participants are kindly asked to register themselves and present one-page Abstracts, as well as the request for financial support by post:

Institute of Hydromechanics of NAS of Ukraine, NATO ASI on Flows in Obstructed Geometries, Zhelyabov str., 8/4, 03057, Kyiv, Ukraine
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or by e-mail FB_FLOWS@kiev ldc .net and ASI.Kyiv@ua.fm.

More information may be found at the web site www.hydromech.kiev.ua/eng/news.htm.

NATO ASI Organizational Committee