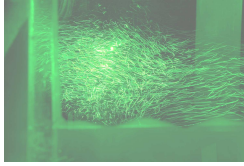


Dynamics of Inertial Particles: From Ocean and Atmosphere to Planets

September 1 - 26, 2008

Scientific coordination:

Eberhard Bodenschatz
MPI Göttingen
Germany

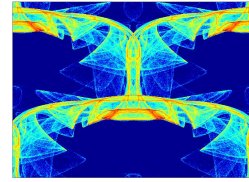


Ulrike Feudel
Universität Oldenburg
Germany

Organisation:

Renate Seidel
MPI PKS Dresden
Germany

Tamás Tél
Eötvös Loránd University
Hungary



The goal of this workshop is to bring together scientists from various fields, like theoretical physics, experimental fluid dynamics, meteorology/cloud physics, planet formation, marine ecology, oceanography, engineering and chemistry who investigate the advection of active and passive finite size particles in fluid flows. By stimulating the discussion about common methods and analogies the program will bridge and unite the different disciplines to initiate joint interdisciplinary projects. The event contains three weeks of an intense summer-school type program for PhD students and young researchers, where invited lecturers will teach training courses on the subject. The school program will contain introductory lectures as well as more advanced lectures which will address both methodological problems and applications. Furthermore there will be ample time for discussion, particularly to facilitate joint work of young researchers with senior scientists. In the third week of the event specialists in the aforementioned fields will gather to discuss the current state of the art in the study of finite size, inertial particles in ordered, disordered and turbulent flows.

*Invited speakers (*not yet confirmed, + confirmed lecturer of the School):*

- | | | |
|---|--|---|
| J.-R. Angilella (Nancy, France) | J. Bec (Nice, France) | E. Bodenschatz ⁺ (Göttingen, Germany) |
| A. Bracco (Atlanta, USA) | G. Boffetta (Turin, Italy) | M. Bourgoine (Grenoble, France) |
| J. Cartwright (Granada, Spain) | M. Cencini (Rome, Italy) | I. Collins (Ithaca, USA) |
| B. Eckhardt (Marburg, Germany) | T. Elperin (Beer Sheva, Israel) | E.V. Ermanyuk (Novosibirsk, Russia) |
| G. Falkovich (Rehovot, Israel) | C. Grebogi (Aberdeen, UK) | J. Gollub (Haverford, USA) |
| G. Haller [*] (Budapest, Hungary) | I. Jánosi (Budapest, Hungary) | G. Jirka (Karlsruhe, Germany) |
| G. Károlyi (Aberdeen, UK) | A. Khain [*] (Jerusalem, Israel) | Y.C. Lai (Tempe, USA) |
| A. Lanotte (Lecce, Italy) | C. López (Palma de Mallorca, Spain) | M. Lunau (Bremerhaven, Germany) |
| Sz.P. Malinowski ⁺ (Warsaw, Poland) | M.R. Maxey ⁺ (Providence, USA) | B. Mehlig (Göteborg, Sweden) |
| E. Meiburg (St. Barbara, USA) | N. Mordant (Paris, France) | A. Motter (Evanston, USA) |
| A. Moura (Aberdeen, UK) | N. Ouellette (Haverford, USA) | J.-F. Pinton (Lyon, France) |
| O. Piro (Palma de Mallorca, Spain) | A. Provenzale (Turin, Italy) | A. Pumir (Valbonne, France) |
| J. Riley ⁺ (Seattle, USA) | I. Scheuring (Budapest, Hungary) | S. Shy (Jhongli, Taiwan) |
| M. Sommerfeld ⁺ (Halle-W., Germany) | P. Stansby (Manchester, UK) | K.G. Szabó (Budapest, Hungary) |
| Z. Toroczkai (Notre Dame, USA) | F. Toschi (Rome, Italy) | R. Vilela (Dresden, Germany) |
| E. Villermaux (Marseille, France) | L.P. Wang (Delaware, USA) | Z. Warhaft (Ithaca, USA) |
| M. Wilkinson (Milton Keynes, UK) | H. Xu (Göttingen, Germany) | J. Zahn (Oldenburg, Germany) |

Applications for participation and poster contributions are welcome and should be made by using the application form on the workshop web page (please see URL below). The number of attendees is limited. The **registration fee** for the workshop is **100 €** and should be paid by all participants. Costs for accommodation and meals will be covered by the Max Planck Institute. Limited funding is available to partially cover travel expenses. Please note that a parent-child apartment and childcare are available upon request.

Deadline for registration is July 1, 2008.



For further information please contact:
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