

Preliminary Announcement

NONLINEAR DISPERSIVE EQUATIONS

25-27 August 2010
imbm*, Istanbul, Turkey

This conference aims to bring together researchers working mainly in the mathematical theory of the Nonlinear Dispersive Equations. This class of equations includes but is not restricted to Nonlinear Schrödinger (NLS) equation, Korteweg-de Vries equation, Klein-Gordon equation, Davey-Stewartson system, coupled NLS equations, long wave-short wave resonance equations, Gross- Pitaevskii equations, etc. Existence and stability of wave solutions as well as the long time behavior of solutions, blow-up profiles will be addressed both analytically and numerically as well as their use as modeling tools.

Main Speakers:

J. Colliander	(Univ. of Toronto, Canada)
L. Jeanjean	(Univ. de Franche-Comté, France)
H. Kalisch	(Univ. of Bergen, Norway)
P. Markowich	(Cambridge Univ., UK)
C. Sulem	(Univ. of Toronto, Canada)
E. S. Titi	(Weizmann Institute of Science, Israel, and UC Irvine, USA)
G. Todorova	(Univ. of Tennessee, USA)
N. Tzvetkov	(Univ. of Lille 1 , France)

Organizing Committee: A. Eden (Bogazici University, Turkey), H. A. Erbay (Isik University, Turkey), A. K. Erkip (Sabanci University, Turkey), V. Kalantarov (Koc University, Turkey), H. M. Soner (ETH, Switzerland)

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Deadline: A limited number of long and short presentations will also be accepted, the deadline for abstract submission is July 30, 2010. Please send your extended abstracts to eden@boun.edu.tr.

* imbm stands for Istanbul Center for Mathematical Sciences



TÜBİTAK



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