Workshop on surface water waves
May 31 - June 1, 2011
organized by A. Constantin, J. Escher, D. Lannes, W. Strauss

• Tuesday, May 31
  09:00 – 09:45: W. Strauss (Brown University, USA)
  Waves with Discontinuous Vorticity
  09:45 – 10:10: Coffee
  10:10 – 10:55: M. Umeyama (Tokyo Metropolitan University, Japan)
  PIV and PTV measurements for progressive waves with a steady current
  11:00 – 11:45: R. S. Johnson (University of Newcastle upon Tyne, England)
  Models for the formation of a critical layer in water-wave propagation
  11:50 – 12:35: R. I. Ivanov (Dublin Institute of Technology, Ireland)
  Two-component Camassa-Holm equation in the models of shallow water waves with vorticity

• Wednesday, June 1
  09:00 – 09:45: D. Clamond (University of Nice, France)
  Direct numerical simulation on fully nonlinear surface waves
  09:45 – 10:10: Coffee
  10:10 – 10:55: E. Varvaruca (University of Reading, England)
  Global bifurcation of steady periodic water waves with constant vorticity
  11:00 – 11:45: B. Kolev (University of Marseille, France)
  On the geometrical structure of certain equations of hydrodynamical type
  11:50 – 12:35: J. Escher (University of Hannover, Germany)
  Regularity of rotational water waves

All lectures take place in the ESI Boltzmann Lecture Hall