

# CCS Symposium Autumn 2011

**Date: November 1-2, 2011**

**Place: ES Hall, Nagoya University, Japan**

## Program

### November 1 *Turbulence simulation and modelling*

12:50 - 13:00 opening

13:00 - 13:50 **J.C.R. Hunt** (UCL)  
*Interfaces in turbulence-the key to dynamics, modelling, simulation and applications*

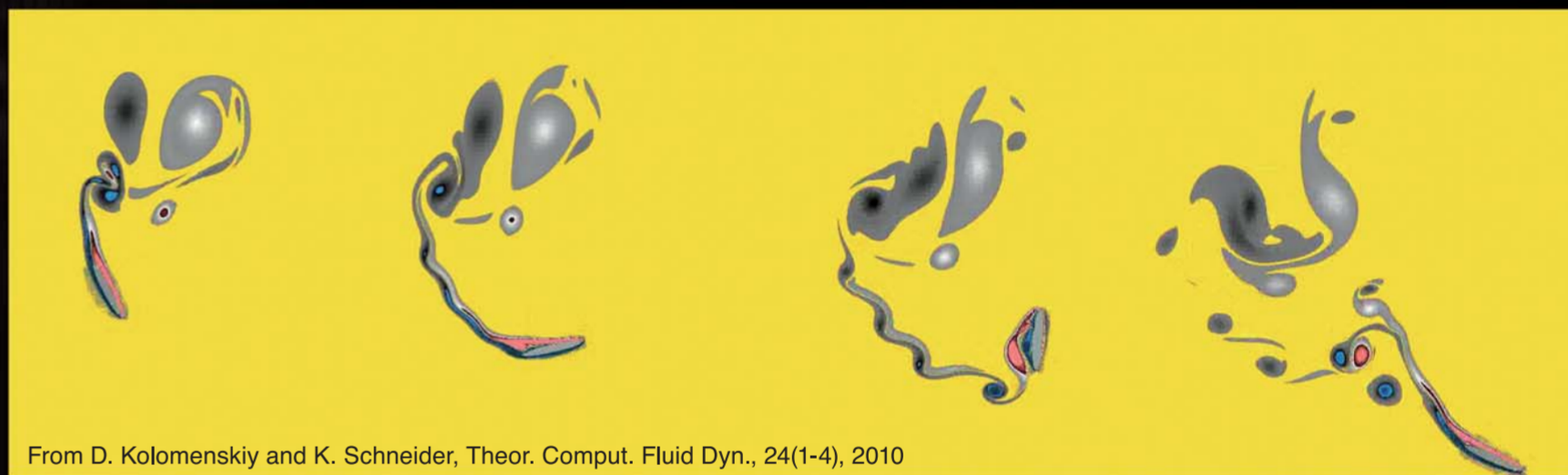
14:00 - 14:40 **K. Takahashi** (ESC)  
*Dynamics and adaptive strategies in urban boundary layer*

14:40 - 15:20 **T. Ishihara** (Nagoya University, JST CREST)  
*Strong shear layers in high Reynolds number homogeneous turbulence*

15:20 - 16:20 *poster session*



From D. Kolomenskiy et al. *J. Fluids and Structures* 27, 2011



From D. Kolomenskiy and K. Schneider, *Theor. Comput. Fluid Dyn.*, 24(1-4), 2010

### November 2 *Mathematical and computational science of vortex-boundary interactions*

10:30 - 11:20 **K. Schneider** (Aix-Marseille Université, France)  
*Numerical simulations of the clap-fling-sweep mechanism of hovering insects*

11:20 - 12:00 **M. Iima** (Hiroshima University)  
*Unstable flapping state and flapping control in a flight model*

12:00 - 13:30 *Lunch*

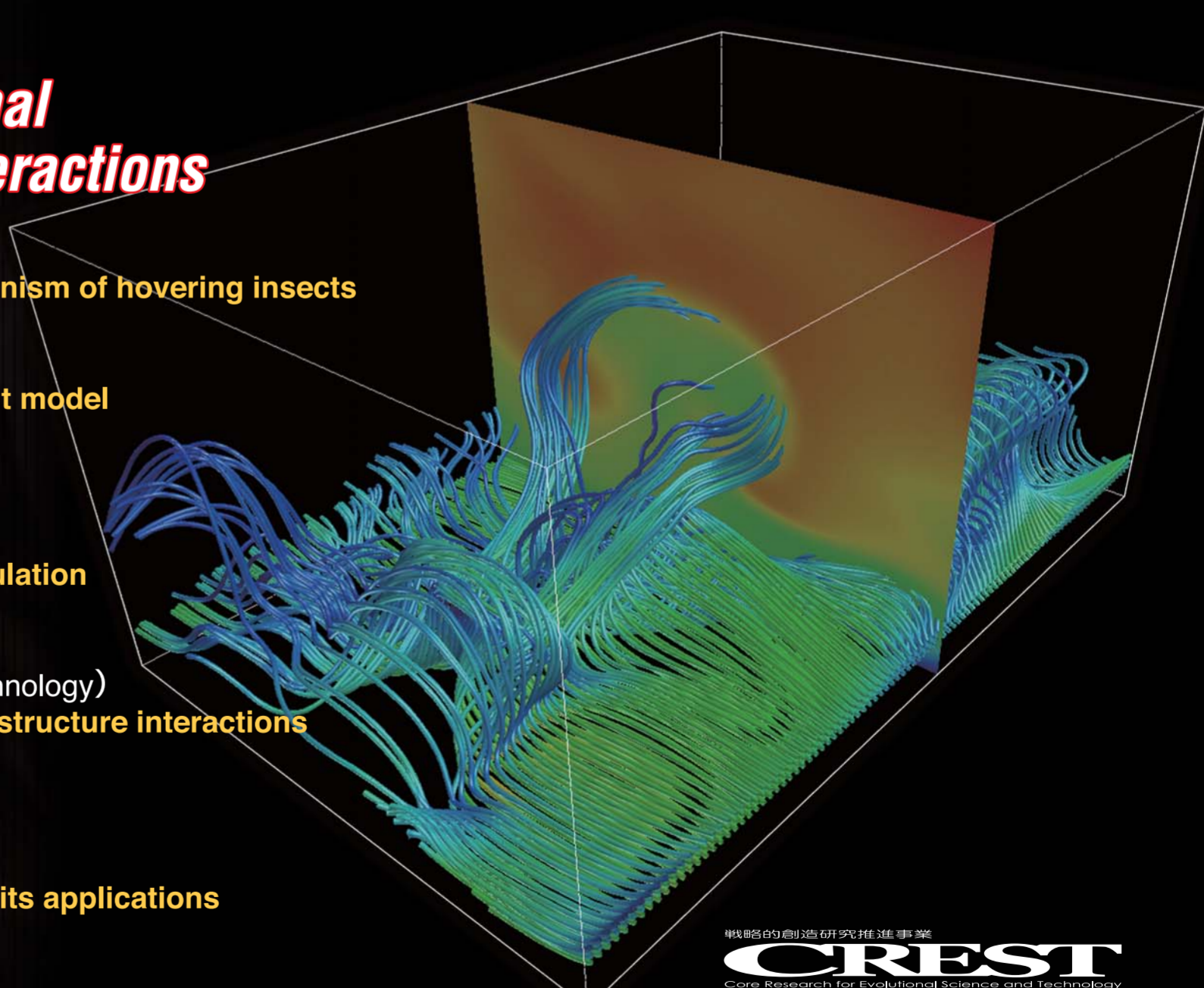
13:30 - 14:10 **Y. Hattori** (Tohoku University)  
*Development of volume penalization method for simulation of flow around complex bodies*

14:10 - 14:50 **T. Sawada** (Advanced Industrial Science and Technology)  
*Computational approach to multiply connected fluid-structure interactions*

*coffee break*

15:10 - 15:50 **R. Nelson** (Hokkaido University, JST CREST)  
*Vortex dynamics in multiply connected domains and its applications*

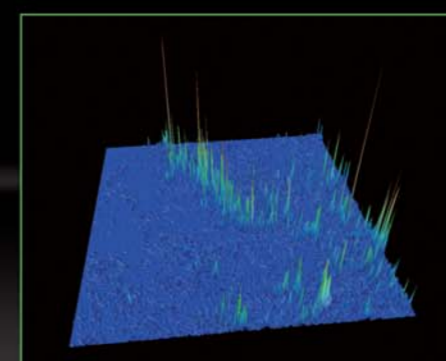
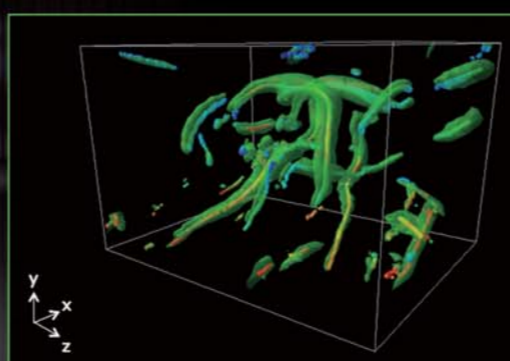
15:50 - 16:30 **Z. Arai** (Hokkaido University, JST CREST)  
*Topological approaches to coherent structures in fluid dynamics*



戦略的創造研究推進事業  
**CREST**  
Core Research for Evolutional Science and Technology

## Organizer

Takashi Ishihara (Nagoya University)  
Katsunori Yoshimatsu (Nagoya University)  
Naoya Okamoto (Nagoya University)



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