

**REAL STRUCTURES ON COMPLEX MANIFOLDS:
ACHIEVEMENTS AND PERSPECTIVES**

Conference

dedicated to the 60th birthday of Viatcheslav Kharlamov

Monday, June 14, 2010

- 7:30–8:45** Breakfast
- 8:45–9:45** **K. Fukaya**, *Anti-holomorphic involution in Lagrangian Floer theory.*
- 9:45–10:15** Coffee
- 10:15–11:15** **P. Biran**, *Lagrangian topology, disk counting and cobordisms.*
- 11:30–12:30** **D. Auroux**, *Mirror symmetry for blowups and hypersurfaces in toric varieties.*
- 12:30–13:30** Lunch
- 16:30–17:30** **F. Catanese**, *Deformations of automorphisms from the complex and the real point of view and Burniat surfaces.*
- 17:30–18:00** Coffee
- 18:00–19:00** **F. Mangolte**, *Uniruled real algebraic threefolds.*
- 19:30–20:30** Dinner

Tuesday, June 15, 2010

- 7:30–8:45** Breakfast
- 8:45–9:45** **Y. Soibelman**, *Donaldson-Thomas invariants and complex integrable systems.*
- 9:45–10:15** Coffee
- 10:15–11:15** **S. Akbulut**, *The Dolgachev surface.*
- 11:30–12:30** **A. Gabrielov**, *Semi-monotone sets and triangulation of tame monotone families.*
- 12:30–13:30** Lunch
- 16:30–17:30** **F. Lalonde**, *Homological Lagrangian Monodromy.*
- 17:30–18:00** Coffee
- 18:00–19:00** **D. Gayet**, *Exponential rarefaction of the maximal real curves.*
- 19:30–20:30** Dinner

Wednesday, June 16, 2010

- 7:30–8:45** Breakfast
- 8:45–9:45** **Y. Eliashberg**, *Computation of symplectic invariants of Stein manifolds.*
- 9:45–10:15** Coffee
- 10:15–11:15** **J. Solomon**, *Mirror symmetry, continuous symmetries and singularity theory.*
- 11:30–12:30** **M. Abouzaid**, *A plethora of exotic Stein manifolds.*
- 12:30–13:30** Lunch

Free afternoon

- 19:30–20:30** Dinner

Thursday, June 17, 2010

- 7:30–8:45** Breakfast
- 8:45–9:45** **G. Mikhalkin**, *Tropical disks, walls and Lagrangian fiber tori.*
- 9:45–10:15** Coffee
- 10:15–11:15** **E. Brugallé**, *Floor diagrams relative to a conic.*
- 11:30–12:30** **E. Shustin**, *Enumeration of real rational curves on Del Pezzo surfaces of degree ≥ 3 .*
- 12:30–13:30** Lunch
- 16:30–17:30** **N. A'Campo**, *Reeb vector field and monodromy.*
- 17:30–18:00** Coffee
- 18:00–19:00** **S. Nemirovski**, *Legendrian submanifolds and causality.*
- 19:30–21:00** Dinner

Friday, June 18, 2010

- 7:30–8:45** Breakfast
- 8:45–9:45** **V. Kulikov**, *The role of factorization semigroups over groups in geometry.*
- 9:45–10:15** Coffee
- 10:15–11:15** **A. Degtyarev**, *Hurwitz equivalence of braid monodromy factorizations.*
- 11:30–12:30** **V. Nikulin**, *Self-correspondences of K3-surfaces via moduli of sheaves.*
- 12:30–13:30** Lunch
- 13:45–14:45** **S. Orevkov**, *When $\sigma_1^{-n}\Delta$ is quasipositive.*
- 15:00–16:00** **S. Finashin**, *Real cubic hypersurfaces and beyond.*
- 19:30–21:00** Dinner