

Workshop on Interactions Between Algebra and Dynamics in Symplectic Topology

June 17-21, 2012, Technion – Israel Institute of Technology

Amado Building, room 232

Sunday, June 17, 2012

09:30-10:00 Registration

10:00-11:00 Yael Karshon (U. of Toronto)

Hamiltonian torus actions with two-dimensional quotients

11:00-11:30 Coffee break 


11:30-12:30 Michael Usher (U. of Georgia)

Submanifolds and the Hofer norm

12:30-14:00 Lunch break 

14:00-15:00 Octav Cornea (U. of Montreal)

Lagrangian Topology and Homotopy Functors

15:00-15:30 Coffee break 

15:30-16:30 Paul Biran (ETH - Zurich)

Lagrangian cobordisms and Fukaya categories

16:45-18:15 Reception



Monday, June 18, 2012


10:00-11:00 Basak Gurel (Vanderbilt U.)

Periodic orbits of Hamiltonian systems hyperbolic and linear at infinity

11:00-11:30 Coffee break 


11:30-12:30 Viktor Ginzburg (U. of California at Santa Cruz)

Hyperbolic fixed points in Hamiltonian dynamics

12:30-14:00 Lunch break 


14:00-15:00 Jean-Yves Welschinger (U. Lyon 1)

Open Gromov-Witten invariants in dimensions four and six

15:00-15:30 Coffee break 

15:30-16:30 Urs Frauenfelder (Seoul National U.)

Dihedral homology and the moon

16:30-16:45 Coffee break 


16:45-17:45 Yong-Geun Oh (U. of Wisconsin at Madison)

Hamilton-Jacobi equation and continuous Hamiltonian dynamics

Tuesday, June 19, 2012


09:15-10:15 Felix Schlenk (U. of Neuchatel)

Filling 4-tori with a symplectic ball

10:15-10:30 Coffee break 

10:30-11:30 Francois Lalonde (U. of Montreal)

On the injectivity radius in Hofer's geometry


11:30-12:15 Lunch 

Afternoon & evening: Excursion and dinner

Wednesday, June 20, 2012


10:00-11:00 Peter Albers (U. of Munster)

Periodic bounce orbits of prescribed energy

11:00-11:30 Coffee break 


11:30-12:30 Alexandru Oancea (U. of Strasbourg)

Algebraic construction of S^1 -equivariant Floer homology

12:30-14:00 Lunch break 


14:00-15:00 Dietmar Salamon (ETH-Zurich)

Hyperkahler Floer theory, the Fueter equation, and divergence free frames

15:00-15:30 Coffee break 

15:30-16:30 Kenji Fukaya (Kyoto U.)

Floer homology of arbitrary genus

16:30-16:45 Coffee break 


16:45-17:45 Kaoru Ono (Kyoto U.)

Non-displaceable Lagrangian tori

Thursday, June 21, 2012


10:00-11:00 Mihai Damian (U. of Strasbourg)

On the topology of monotone Lagrangian submanifolds

11:00-11:30 Coffee break 

11:30-12:30 Richard Hind (Notre Dame U.)

Ellipsoid embeddings and packing stability

12:30-14:00 Lunch break 


14:00-15:00 Miguel Abreu (IST-Lisbon)

Displacing Lagrangian toric fibers by extended probes

15:00-15:30 Coffee break 

15:30-16:30 Jarek Kedra (U. of Aberdeen)

Distortion in groups of homeomorphisms

16:30-16:45 Coffee break 

16:45-17:45 Dmitry Tamarkin (Northwestern U.)

Microlocal category
