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CAST network

**Report on Workshop on Symplectic geometry Contact
geometry and Interactions, Jan 27-29, 2011**

The above workshop was held according to plan. The talks were very well attended, accessible to experts as well as more junior reserachers, and held the highest international scientific standard thereby manifesting the central position of the CAST network in the area of contact and symplectic topology.

For more details about the workshop and its program, see the attached files.

For the organizing committee,

Tobias Ekholm



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Workshop on Symplectic Geometry, Contact Geometry, and Interactions

Uppsala, 27-29 January, 2011

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This is the fifth in a series of workshops on Symplectic Geometry, Contact Geometry, and Interactions. The workshop is supported by the European Science Foundation, the Göran Gustafsson Foundation for Research in Natural Sciences and Medicine, and Uppsala University.

Confirmed speakers

- Jean-François Barraud (Toulouse)
- Vincent Colin (Nantes)
- Oliver Fabert (Augsburg)
- Damien Gayet (Lyon)
- Jarek Kedra (Aberdeen)
- Janko Latschev (Hamburg)
- Yanki Lekili (Cambridge)
- Maxim Maydanskiy (Cambridge)
- Justin Pati (Uppsala)
- Patrick Popescu-Pampu (Lille)
- Jack Waldron (Oxford)

Organizing committee

- Frédéric Bourgeois (ULB, Brussels)
- Tobias Ekholm (Uppsala University)
- Alexandru Oancea (University of Strasbourg)
- Claude Viterbo (Ecole polytechnique, Paris)
- Jean-Yves Welschinger (University Lyon 1)

For questions about the conference e-mail

symplectic@math.uu.se



Göran Gustafssons stiftelse



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Workshop on Symplectic Geometry, Contact Geometry, and Interactions

Uppsala, 27-29 January, 2011

Program

All lectures will take place in [the Polhem room](#) at the [Ångström Laboratory](#).Symplectic Geometry,
Contact Geometry and
Interactions

Thursday, 27 January

12:00-13:15	Registration Opening	
14:00-15:00	Vincent Colin	An isomorphism from Heegaard Floer homology to embedded contact homology
15:00-16:00	Damien Gayet	Exponential rarefaction of the maximal real curves
16:00-16:30	Coffee	
16:30-17:30	Jarek Kedra	Finitely generated subgroups of diffeomorphism groups

Friday, 28 January

09:00-10:00	Yanki Lekili	Fukaya categories of the torus and Dehn surgery
10:00-10:30	Coffee	
10:30-11:30	Maksim Maydanskiy	Symplectic cohomology as Hochschild homology
11:30-13:15	Lunch	
13:15-14:15	Jack Waldron	A chain-level description of symplectic Khovanov homology
14:30-15:30	Patrick Popescu	Complex surface singularities and holomorphic symplectic geometry
15:30-16:00	Coffee	
16:00-17:00	Jean-François Barraud	Secondary invariants for loops of hamiltonian diffeomorphisms (joint work with O. Cornea)

Saturday, 29 January

09:00-10:00	Justin Pati	A set-up for Legendrian contact homology in circle bundles
10:00-10:30	Coffee	
10:30-11:30	Janko Latschev	Algebraic torsion in contact manifolds
11:45-12:45	Oliver Fabert	From contact manifolds to integrable PDE via non-equivariant SFT



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