

Workshop on Sheaf-Theoretic Methods in Symplectic Topology

Monday, May 9, 2011 (All day) - Thursday, May 12, 2011 (All day)
2010-2011

Sheaf-theoretic methods have recently entered symplectic geometry. By bringing researchers with different backgrounds together, we plan to explore the interaction of sheaf-theoretic methods and holomorphic curves theory.

Organizers:

Helmut Hofer, IAS and Claude Viterbo, Ecole Polytechnique/Columbia University

Speakers:

Mohammed Abouzaid, MIT, Denis Auroux, UC Berkeley, Stephane Guillermou, Institut Fourier, Grenoble, France,

Bohan Fang, Columbia, Melissa Liu, Columbia, David Nadler, Northwestern, Dimitry Tamarkin, Northwestern, Chris Woodward, Rutgers.

Registration

Registration for the meals and workshop is required. (Speakers do not need to register.)

Although there is no registration fee, because seating is limited both in the seminar room and in our dining hall, you are required to register if you wish to attend all or part of the workshop. In addition, in order for our chef to prepare enough food, we need to have a headcount for the meals. Please note the workshop attendees are expected to pay for their lunch. Approximate range of prices is \$4.00 for a salad to \$9.00 for an entree. Vegetarian lunches will be available. Only cash is accepted at the cash registers. Credit cards and personal checks are not accepted.

Agenda

Monday, May 9, 2011

11:30 am - 12:30 pm Stephane Guillermou, University Grenoble, "Microlocal theory of sheaves and link with symplectic geometry"

12:30 pm - 2:30 pm Lunch, IAS Dining Hall

2:30 pm - 3:30 pm Chris Woodward, Simons Center/Rutgers, "Quasimap Floer cohomology and singular symplectic quotients"

3:30 pm - 4:30 pm Tea, Fuld Hall Common Room

4:30 pm - 5:30 pm Denis Auroux, UC Berkeley, "Wrapped Fukaya categories of punctured spheres and homological mirror symmetry"

Tuesday, May 10, 2011

10:00 am - 11:00 am Stephane Guillermou, University Grenoble, "Microlocal theory of sheaves and link with symplectic geometry II"

11:30 am - 12:30 pm David Nadler, Northwestern, "A stable infinity-category of Lagrangian cobordisms"

12:30 pm - 2:30 pm Lunch, IAS Dining Hall

2:30 pm - 3:30 pm Dmitry Tamarkin, Northwestern, "Microlocal category for a closed symplectic manifold"

3:30 pm - 4:30 pm Tea, Fuld Hall Common Room

4:30 pm - 5:30 pm Stephane Guillermou, University Grenoble, "Microlocal theory of sheaves and link with symplectic geometry III"

Wednesday, May 11, 2011

10:00 am - 11:00 am Mohammed Abouzaid, MIT, "Generation criteria for the Fukaya category"

11:30 am - 12:30 pm Dmitry Tamarkin, Northwestern, "Microlocal category for a closed symplectic manifold II"

12:30 pm - 2:30 pm Lunch, IAS Dining Hall

2:30 pm - 3:30 pm Bohan Fang, Columbia University, "Coherent-constructible correspondence and homological mirror symmetry I"

3:30 pm - 4:30 pm Tea, Fuld Hall Common Room

Thursday, May 12, 2011

10:00 am - 11:00 am Melissa Liu, Columbia University, "Coherent-constructible correspondence and homological mirror symmetry II"

11:30 am - 12:30 pm Mohammed Abouzaid, MIT, "Generation criteria for the Fukaya category II"

12:30 pm - 2:30 pm Lunch, IAS Dining Hall

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Transportation and Housing:

Information regarding transportation and accommodations in the Princeton area can be found at www.princetonol.com. Please note that if you are staying on Route 1 you should inquire whether the hotel has a shuttle service to and from the IAS. We have several group rates with local hotels. Please use the following if you plan to stay at these hotels: Hyatt Place and Regency Group Rate #34975. The Regency offers a slightly lower rate. The Marriott Residence Inn Group Rate # is INA.

Directions to IAS

www.ias.edu/about/directions

terms:

- [workshop](#)