conference on
Geometry and topology of symplectic 4-manifolds

April 24-26, 2015, University of Massachusetts Amherst

Organizing Committee

R. Inanc Baykur (UMass Amherst), Weimin Chen (UMass Amherst) and Daniel Ruberman (Brandeis University)

The aim of this 3-day conference is to bring together active researchers in geometry and topology of symplectic 4-manifolds, ranging from leading experts to recent PhDs and graduate students, and provide a panorama of the field through a variety of talks and discussion sessions.

This event is sponsored by the National Science Foundation Grant DMS-1522633.

Invited speakers, participants

- Georgios Dimitroglou Rizell (University of Cambridge)
- Josef Dorfmeister (North Dakota State University)
- David Gay (University of Georgia)
- Robert Gompf (University of Texas, Austin)
- Hee Jung Kim (Seoul National University)
- Rob Kusner (UMass Amherst)
- Tian-Jun Li (University of Minnesota)
- Gordana Matic (University of Georgia)
- Naoyuki Monden (Osaka EC University)
- Franz Pedit (UMass Amherst)
- Olga Plamenevskaya (Stony Brook University)

- Lee Rudolph (Clark University)
- Steven Sivek (Princeton University)
- Laura Starkston (University of Texas, Austin)
- Michael Sullivan (UMass Amherst)
- Nathan Sunukjian (UMass Amherst)
- Jeremy Van Horn-Morris (University of Arkansas)
- Stefano Vidussi (University of California, Riverside)
- Chris Wendl (University College London)
- Weiwei Wu (CRM / Université de Montréal)
- Sai-Kee Yeung (Purdue University)

Schedule

Friday, April 24	Saturday, April 25	Sunday, April 26
9:00 – 9:30am Registration		
9:30 – 10:30am Vidussi	9:30 – 10:30am Gay	9:30 – 10:30am Matic
10:30 – 11:00am TEA	10:30 – 11:00am TEA	10:30 – 10:45am TEA
11:00 – 12:00pm Li	11:00 – 12:00pm Wendl	10:45 – 11:45am Dimitroglou Rizell
2:00 – 3:00pm Yeung	2:00 – 3:00pm Gompf	
3:00 – 3:45pm REFRESHMENTS	3:00 – 3:45pm REFRESHMENTS	
3:45 – 4:45pm Sivek	3:45 – 4:45pm Starkston	
5:15 – 6:45pm Discussion	5:15 – 6:45pm Discussion	

- Dimitroglou Rizell – **The classification of monotone Lagrangian tori in a 4-dimensional symplectic vectorspace**
- David Gay – **Symplectic trisections**
- Robert Gompf – **Degree raising for Lefschetz pencils**
- Tian-Jun Li – **Curve configurations in symplectic 4-manifolds**
- Gordana Matic – **Heegaard Floer contact invariant and algebraic torsion**
- Steven Sivek – **Augmentations of Legendrian knots and constructible sheaves**
- Laura Starkston – **Symplectic embeddings and mapping class monoid relations**
- Stefano Vidussi – **Some remarks on (virtual) properties of Kaehler groups**
- Chris Wendl – **Spine removal surgery and its applications**
- Sai-Kee Yeung – **Geometric and topological aspects of fake projective planes and finite groups**

All talks and the discussion sessions will be held at Lederle Graduate Research Tower, Room 1634. Titles and abstracts, and further information is available at the conference page:
http://people.math.umass.edu/~baykur/Symplectic4manifoldsConference.html