

Workshop Schedule

**Events for:
Monday, November 11th - Friday, November 15th**

Monday, November 11th

9:45am **Opening/Welcome - SCGP 102**

10:00am **Nikita Nekrasov - SCGP 102**

Title: Quantum wavefunctions and vortex counting

11:00am **Coffee break - SCGP 102**

11:30am **Ákos Nagy - SCGP 102**

Title: Vortices on noncompact surfaces and black holes

12:30pm **Lunch - SCGP Cafe**

2:00pm **Martin Speight - SCGP 102**

Title: The L2 geometry of moduli spaces of P1 vortices

3:00pm **Tea time - SCGP 102**

3:45pm **Chih-Chung Liu - SCGP 102**

Title: Gromov compactification of vortex moduli spaces and applications to L2 geometry

Tuesday, November 12th

9:30am **Justin Hilburn - SCGP 102**

Title: 3d mirror symmetry and vortex invariants

10:30am **Coffee break - SCGP 102**

11:00am **Erica Minuz - SCGP 102**

Title: Cohomology of generalized configuration spaces and graph complexes

12:00pm **Lunch - SCGP Cafe**

1:00pm **SCGP Weekly Talk - Oscar García-Prada: Older Vistas on Vortices - 102**

Title: Older Vistas on Vortices

2:15pm **Donghao Wang - SCGP 102**

Title: Finite-energy SW monopoles on Cx ?

3:15pm **Tea time - SCGP 102**

4:00pm **Aleksander Doan - SCGP 102**

Title: The ADHM vortex equations on Riemann surfaces

6:00pm **Conference dinner - SCGP Cafe**

Wednesday, November 13th

10:00am **Heeyeon Kim - SCGP 102**

Title: Twisted indices of 3d supersymmetric gauge theories and moduli spaces of vortices

11:00am **Coffee Break - SCGP 102**

11:30am **Oscar García-Prada - SCGP 102**

Title: Vortices, variations of Hodge structure, and Arakelov-Milnor inequalities

12:30pm **Lunch - SCGP Cafe**

2:00pm **Graeme Wilkin - SCGP 102**

Title: Vortices and the Morse theory of the Yang-Mills-Higgs functional

3:00pm **Tea Time - SCGP 102**

3:45pm **Andrew Lee - SCGP 102**

Title: Mapping tori and stable pairs

5:00pm **Reception & Concert - SCGP Lobby**

Title: Palindrome Quartet

Thursday, November 14th

10:00am **Hans Jockers - SCGP 102**

Title: Aspects of 3d $N=2$ gauge theories and of quantum K-theory

11:00am **Coffee Break - SCGP 102**

11:30am **Chris Woodward - SCGP 102**

Title: Vortices and quantum K-theory

12:30pm **Lunch - SCGP Cafe**

2:00pm **Petr Pushkar - SCGP 102**

Title: Quantum K-theory for Nakajima quiver varieties and quantum integrable systems

3:00pm **Tea Time - SCGP 102**

3:45pm **Jeongseok Oh - SCGP 102**

Title: Localization by 2-periodic complexes and virtual structure sheaves

Friday, November 15th

10:00am **Tudor Dimofte - SCGP 102**

Title: Vortices and categories of line operators

11:00am **Coffee Break - SCGP 102**

11:30am **Guangbo Xu - SCGP 102**

Title: Adiabatic limit of the gauged Witten equation

12:30pm

Lunch - SCGP Cafe

2:00pm

Artan Sheshmani - SCGP 102

Title: Stable higher rank flag sheaves on surfaces

3:00pm

Tea Time - SCGP 102

3:45pm

Eduardo González - SCGP 102

Title: Stratifications for gauged maps