Gromov-Witten theory, Gauge Theory and Dualities

Mathematical Sciences Institute, The Australian National University
MSI Special Year in Geometry and Physics

9 - 16 January 2016

The event consists of two parts, a series of introductory mini-courses held at the ANU Canberra from 6-9 Jan, 2016 followed by an international conference at the ANU Kioloa campus, from 10-16 Jan, 2016. The aim of the mini-courses are to familiarise postgraduate students and early career researchers with some of the mathematical techniques for the study of moduli spaces from gauge theory and Gromov-Witten theory, while the conference brings together leading international researchers in this area.

Organising committee

Peter Bouwknegt (ANU)
Brett Parker (ANU)
Paul Norbury (University of Melbourne)
Bai-Ling Wang (ANU) - Chair

Introductory mini course speakers

Bohui Chen (Geometry of moduli spaces)
Kenji Fukaya (Floer homology of 3-manifolds)
Kaoru Ono (Symplectic Floer theory and its applications)
Gang Tian (Gauge theory and calibrated geometry)

Conference Invited Speakers

Jim Bryan (University of British Columbia)
Bohui Chen (Sichuan University)
Cheol-Hyun Cho (Seoul National University)
Huijun Fan (Beijing University)
Bohan Fang (Beijing University)
Kenji Fukaya (SCGP, Stony Brook)
Andriy Haydys (University of Bielefeld)
Ko Honda * (UCLA)
Jianxun Hu (Zhongshan University)
Hiroshi Iritani (Kyoto University)
Bumsig Kim (KIAS, Seoul)
Conan Leung (Chinese University of Hong Kong)

Xiaobo Liu (Peking University)
Alina Marian (Northeastern University)
Ignasi Mundet (University of Barcelona, Spain)
Yong-Geun Oh (IBS, South Korea)
Hiroshi Ohta (Nagoya University)
Kauro Ono (Kyoto University)
Yongbin Ruan (University of Michigan)
Gang Tian (Princeton University/Beijing University)
Rui Wang (University of California at Irvine)
Siye Wu (National Tsing-Hua University, Taiwan)
Aleksey Zinger * (University of New York, Stony Brook)

* To be confirmed

For more information go to http://maths.anu.edu.au/events/gromov-witten-theory-gauge-theory-and-dualities