The 5th Pacific Rim Complex and Symplectic Geometry Conference 2010

Period: July 26–July 30, 2010

Place: Graduate School of Mathematics, Nagoya University, Nagoya, Japan
Ise-Shima Royal Hotel, Shima, Japan

Organizers   Xiuxiong Chen (University of Wisconsin–Madison),
Jun-Muk Hwang (KIAS), Tamas Kalman (Tokyo Tech),
Yong-Geun Oh (University of Wisconsin–Madison),
Xiaohua Zhu (Peking University), Ryoichi Kobayashi (Nagoya University),
Akito Futaki (Tokyo Tech),   Toshiki Mabuchi (Osaka University)

TIME TABLE

Time	July 26 (Mon)	July 27 (Tue)	July 28 (Wed)	July 29 (Thu)	July 30 (Fri)
9:30–10:30	Y.G. Oh	G. Szekelyhidi	Y. Toda	G. Wang	R. Kobayashi
10:45–11:45	H. Ohta	L. Ornea	J. Park	T. Yokota	M. Kühnel
13:30–14:30	C. Li	K. Nagao		B. Wang	
14:45–15:45	B. Santoro	X. Zhu		T. Kalman	
16:00–17:00	H. Nakajima	J. M. Hwang		V. Tossatti	

- There will be a Conference Excursion on July 28th (Wed) afternoon.
- A banquet is planned on July 28th (Wed) from 18:00 at Ise-Shima Royal Hotel.

PROGRAM

July 26 (Mon)

9:30–10:30   *Yong-Geun Oh* (*University of Wisconsin–Madison*)
Counting embedded curves in Calabi-Yau threefolds and Gopakumar-Vafa invariants

10:45–11:45   *Hiroshi Ohta* (*Nagoya University*)
Lagrangian Floer theory and mirror symmetry for toric manifolds

     Lunch Break

13:30–14:30   *Changzheng Li* (*KIAS*)
Functorial relationships between $QH^*(G/B)$ and $QH^*(G/P)$

14:45–15:45   *Bianca Santoro* (*City College of New York*)
TBA

16:00–17:00   *Hiraku Nakajima* (*RIMS, Kyoto University*)
Donaldson = Seiberg-Witten from Mochizuki's formula and instanton counting

July 27 (Tue)

9:30–10:30   *Gábor Székelyhidi* (*Columbia University*)
On blowing up extremal Kähler manifolds

10:45–11:45   *Liviu Ornea* (*University of Bucharest*)
Transformation groups of locally conformal Kaehler manifolds

     Lunch Break

13:30–14:30   *Kentaro Nagao* (*Nagoya University*)
Vertex operators in Donaldson-Thomas theory

14:45–15:45   *Xiaohua Zhu* (*Peking University*)
Variation solution of extremal metrics on toric manifolds

16:00–17:00   *Jun-Muk Hwang* (*KIAS*)
Deformation of the space of lines on the 5-dimensional hyperquadric

July 28 (Wed)

9:30–10:30   *Yukinobu Toda* (*IPMU, University of Tokyo*)
Moduli spaces of stable quotients and the wall-crossing phenomena

10:45–11:45   *Jihun Park* (*Postech*)
Del Pezzo surfaces and Einstein metrics

     Excursion (afternoon)

     Banquet (evening)

July 29 (Thu)

9:30–10:30   *Guofang Wang* (*Albert-Ludwigs-Universität Freiburg*)
Sasaki Ricci flow on 3 dimensional Sasakian manifolds

10:45–11:45   *Takumi Yokota* (*RIMS, Kyoto University*)
Manifolds with positive curvature operator of the second kind are space forms

   Lunch Break

13:30–14:30   *Bing Wang* (*Princeton University*)
Space of Ricci flows

14:45–15:45   *Tamas Kalman* (*Tokyo Tech*)
TBA

16:00–17:00   *Valentino Tosatti* (*Columbia University*)
The Calabi-Yau equation on symplectic four-manifolds

July 30 (Fri)

9:30–10:30   *Ryoichi Kobayashi* (*Nagoya University*)
TBA

10:45–11:45   *Marco Kühnel* (*Otto-von-Guericke-Universität Magdeburg*)
Asymptotics of Complete Ricci-flat Kähler metrics on open manifolds