

P R O G R A M

The 7th Geometry Conference for the Friendship of Japan and China
January 9 – January 15, 2012
Tokyo & Lake Kawaguchi

January 10

- 10:00–10:50 Xi-Ping Zhu (Sun Yat-sen University)
Bochner Type Inequality on Alexandrov Spaces
- 11:00–11:50 An-Min Li (Sichuan University)
Affine techniques and Extremal metrics on toric manifolds
- 2:00– 2:50 Xiaochun Rong (Rutgers University/Capital Normal University)
Curvature and Fundamental Groups
- 3:00– 3:50 Yuji Odaka (Kyoto University, RIMS)
Parametrization and Optimization of test configurations
- 4:00– 4:50 Bohui Chen (Sichuan Univeristy)
Uniform stability of extremal metrics on toric varieties

January 11

- 9:30–10:20 Haizhong Li (Tsinghua University)
Self-shrinkers of the Mean Curvature Flow in Arbitrary Codimension
- 10:30–11:20 Xinan MA (University of Science and Technology of China)
Some convexity estimates for the solutions elliptic partial differential equations
- 11:30–12:20 Xiangdong Li (Chinese Academy of Sciences)
On Perelman's entropy for the Witten-Laplacian and the Fokker-Planck equation on Riemannian manifolds

2:00– 2:50 Craig van Coevering (Max Planck Institute for Mathematics, Bonn/
University of Science and Technology of China)
Deformations of the Killing spinor equation on Sasaki–Einstein and 3–Sasaki
manifolds

3:00– 3:50 Zejun Hu (Zhengzhou University)
Recent progress on the classification of non-degenerate equiaffine
hyperspheres

4:00– 4:50 Jeff Viaclovsky (University of Wisconsin)
Obstruction–Flat Asymptotically Locally Euclidean Metrics

January 12

9:30–10:20 Kotaro Kawai (Tohoku University)
Construction of calibrated submanifolds

10:30–11:20 Li Sheng (Sichuan University)
The Abreu equation with degenerated boundary conditions

11:30–12:20 Qing Ding (Fudan University)
Bounded Harmonic Functions on Riemannian Manifolds of Nonpositive Curvature

January 13

9:30–10:20 Gang Tian (Princeton University/Peking University)
Compactness for almost Kahler–Einstein manifolds

10:30–11:20 Masaki Tsukamoto (Kyoto University)
Brody curves and mean dimension

11:30–12:20 Bin Zhou (Peking University)
Variational solutions to extremal metrics on toric surfaces

3:00– 3:50 Bing–Long Chen (Sun Yat–Sen University)
Isometric embedding of negatively curved surfaces

4:00– 4:50 Wei Zhang (University of Science and Technology of China)
Fibred toric varieties in toric hyperkahler varieties

5:00– 5:50 Masaaki Umehara (Tokyo Institute of Technology)
Extrinsic diameter of immersed flat tori in 3–sphere

6:00 party

January 14

9:30–10:20 Weiping Zhang (Nankai University)
Dirac operators and vanishing theorems

10:30–11:20 Hiroshi Konno (University of Tokyo)
Convergence of Kahler to real polarizations on flag manifolds

11:30–12:20 Yuji Sano (Kumamoto University)
A dynamical approach to balanced metrics with automorphism group

2:00– 2:50 Zhenlei Zhang (Capital Normal University)
On the convergence of a Kahler–Ricci flow

3:00– 3:50 Kenji Fukaya ((Kyoto University)
Lagrangian Floer theory of arbitrary genus and Gromov–Witten invariant