

2011 Nanjing Conference on Metric Geometry and Applications

In Memory of Professor Jianguo Cao

July 26, 2011 --- July 29, 2011, Nanjing

July 26, Tuesday

Morning:

Chair: Xiaochun Rong (Capital Normal University and Rutgers University)

9:00 – 9:20 Opening speech and group photo

(a) Prof. Chongqing Cheng (Vice President, Nanjing University)

(b) Prof. Gang Tian (Director of IMS at Nanjing University)

Chair: An-Min Li (Sichuan University)

9:30 – 10:20 Gang Tian (Princeton University, Nanjing University)

Symplectic curvature flow

10:40 – 11:30 Xiaochun Rong (Capital Normal University and Rutgers University)

Injectivity radius estimate of pinched positively curved metrics

12:00 Lunch Break (Nan Yuan Restaurant)

Afternoon:

Chair: Xiaoping Yang (Nanjing University of Science and Technology)

14:30 – 15:20 Jiayu Li (University of Science and Technology of China)

Pinching conditions on symplectic mean curvature flows

15:30 – 16:20 Hongyu Wang (Yangzhou University)

J-anti invariant cohomology

16:40 – 17:30 Yi-Zhi Huang (Rutgers University, USA)

Riemannian Manifolds and representations of vertex operator algebras

18:00 Dinner (Nan Yuan Restaurant)

July 27, Wednesday

Morning:

Chair: Jiaping Wang (University of Minnesota, USA)

9:30 – 10:20 Jiaxing Hong (Fudan University)

Estimates Near Boundary for Degenerate Elliptic Monge-Ampere Equations

10:40 – 11:30 Jingyi Chen (University of British Columbia)

Recent progress on mean curvature flow for entire Lagrangian graphs

12:00 Lunch Break (Nan Yuan Restaurant)

Afternoon:

Chair: Yuguang Shi (Peking University)

14:30 – 15:20 Peng Lu (University of Oregon, USA)

Some geometric properties of gradient Ricci solitons

15:30 – 16:20 Weiping Zhang (Nankai University)

Geometric quantization on noncompact manifolds

16:40 – 17:30 Bo Guan (Ohio State University, USA)

Hypersurfaces of constant curvature in Euclidean and hyperbolic spaces

18:00 Banquet (New Century Hotel)

July 28, Thursday

Morning:

Chair: Shicheng Xu (Nanjing University)

9:30 – 10:20 Victor Schroeder (University of Zurich, Switzerland)

Rigidity of Moebius structures

10:40 – 11:30 Xiaobo Liu (University of Notre Dame, USA)

The genus-1 Virasoro conjecture for Gromov-Witten Invariants

12:00 Lunch Break (Nan Yuan Restaurant)

Afternoon:

Chair: Li Ma (Henan Normal University)

14:30 – 15:20 Lorenz Schwachhoefer (University of Dortmund, Germany)
Hyperbolic monopoles and pluricomplex geometry

15:30 – 16:20 Takashi Shioya (Tohoku University, Japan)
Measure concentration and eigenvalues of Laplacian

16:40 – 17:30 Yusheng Wang (Beijing Normal University)
On the Cayley-Klein-Hilbert metric

18:00 Dinner (Nan Yuan Restaurant)

July 29, Friday

Morning:

Chair: Jiaqiang Mei (Nanjing University)

9:30 – 10:20 Gui-Hua Gong (University of Puerto Rico, USA)
Non-commutative Geometry, Positive Scalar Curvature, and the
Strong Novikov Conjecture

10:40 – 11:30 Jie Qing (UCSC, USA)
Ricci flow and conformally compact Einstein metrics

12:00 Lunch (Nan Yuan Restaurant)

Afternoon: Free Discussion