Nanjing Workshop on Geometry and Analysis 2005

Schedule

Sunday, June 12, 2005, Registration

Monday, June 13, 2005

Chair: Prof. Gang Tian and Prof. Xingwang Xu

9:00  Walking from the hotel to IMS. Jiaqiang Mei will wait at the hall of the hotel for participants till 9:00am, June 13, 2005

9:30-10:00  Opening Ceremony

(a) Prof. Jun Chen, Vice President of Nanjing University
(b) Prof. Jiangong You, Head of the Mathematics Department, Nanjing University
(c) Taking group photo for all participants

10:00-10:45  Prof. Weiyue Ding, Peking University, China
Evolution of Minimal Torus in Riemannian Manifolds

11:00-11:45  Prof. Bo Guan, Ohio-State University, USA
Complete hypersurfaces of constant curvature function in hyperbolic space

12:00  Lunch Break

Chair: Prof. Jianguo Cao

14:30-15:15  Prof. Xianzhe Dai, UC Santa Barbara, USA
On the stability of Kahler-Einstein metrics

15:30-16:15  Prof. Weiping Zhang, Nankai University, China
An $L^2$ Alexander invariant for knots

16:15-16:45  Tea and discussion time

16:45-17:30  Prof. Igor Belegradek, George Tech, USA
Towards prescribing the topology of cusps

18:00  Dinner
Tuesday, June 14, 2005

Chair: Prof. Weiyue Ding

9:00-9:45  Prof. Fred Xavier, *Notre Dame, USA*
Recent progress in global injectivity

10:00-10:45  Prof. Changfeng Guì, *University of Conn, USA*
Phase Transition, Minimal Surface and De Giorgi Conjecture

10:45-11:00  Tea time

11:00-11:45  Prof. Huaiyu Jian, *Tsinghua University, China*
Ginzburg-Landau Vortex and Mean curvature flow without force

12:00  Lunch Break

Chair: Prof. Weiping Zhang

15:00-15:45  Prof. Jingyi Chen, *U. British Columbia, Canada*
Recent progress on mean curvature flow in higher codimension

15:45-16:15  Tea and discussion time

16:15-17:00  Prof. Yibing Shen, *Zhejiang University, China*
On complex Finsler geometry

18:00  Dinner

Wednesday, June 15, 2005

Chair: Prof. Yongbin Ruan

9:00-9:45  Prof. Gilles Carron, *Nantes, France*
L^2 cohomology of QALE spaces

10:00-10:45  Prof. Anmin Li, *Sichuan University, China*
Relative Gromov-Witten Invariants and applications

10:45-11:00  Tea time

11:00-11:45  Prof. Xiaochun Rong, *Rutgers University, USA*
Fundamental groups of positively curved manifolds with symmetry

12:00  Lunch Break
Chair: Prof. Huicheng Yin

15:00-15:45  Prof. Huijun Fan, Peking University, China
  Martin points on open manifolds of non-positive curvature

15:45-16:15  Tea and discussion time

16:15-17:00  Prof. Gregor Weingart, Hamburg, Germany
  Bochner identities for G_2 and Spin_7 manifolds

18:30  Conference Banquet at Ramada Plaza

Thursday, June 16, 2005

Chair: Prof. Fred Xavier

9:00-9:45  Prof. Luis Guijarro, Madrid, Spain
  Nonnegative curvature and twisted bundles

10:00-10:45  Prof. Shuguang Wang, University of Missouri, USA
  Orientability and degree of Fredholm maps via determinant bundles

10:45-11:00  Tea time

11:00-11:45  Prof. Jian Zhou, Tsinghua University, China
  Localization and dualities in string theory

12:00  Lunch Break

Chair: Prof. Xiaochun Rong

15:00-15:45  Prof. Hao Fang, IAS, Princeton, USA
  Analytic torsion on Calabi-Yau manifolds

15:45-16:15  Tea and discussion time

16:15-17:00  Prof. Nader Yeganefar, Berlin, Germany
  On manifolds with quadratic curvature decay

18:00  Dinner
Friday, June 17, 2005

Chair: Prof. Xianzhe Dai

9:00-9:45 Prof. Lei Ni, UCSD, USA
Local regularity theorems for Ricci flow

10:00-10:45 Prof. Xinan Ma, East China Normal University, China
The existence of convex body with prescribed curvature measure

10:45-11:00 Tea time

11:00-11:45 Prof. Xiaohua Zhu, Peking University, China
Some functionals related to extremal metrics on toric manifolds

12:00 Lunch Break

Chair: Prof. Decheng Ding and Prof. Gang Tian

15:00-15:45 Prof. Jie Qing, UC Santa Cruz, USA
On the uniqueness of the foliation of spheres of constant mean curvature in asymptotically flat 3-manifolds

15:45-16:15 Tea and discussion time

16:15-17:00 Prof. Jiaping Wang, University of Minnesota, USA
Poincare inequality and topology

18:00 Dinner

Saturday, June 18, 2005: sightseeing

Sunday, June 19, 2005: departure

Remarks:

Please carry out all necessary paperwork with Ms. Jinhe Cheng between talks as soon as possible. She will handle all the monetary issues for our conference, and reserve or purchase air/train/bus tickets for your departure.

Ms. Jinhe Cheng is the person you must see during the workshop.