

# **International Conference in Geometry and Analysis, Nanjing 2007**

## **August 6, Monday**

### **Morning:**

- 8:30 – 9:00 Opening and welcome remarks and group photo
- 9:00 – 9:50 Kenji Fukaya (Kyoto, Japan)  
Lagrangian Floer theory
- 10:00 – 10:50 Xue-Ping Wang (Univ of Nantes, France)  
Threshold resonances on manifolds with conical end
- 11:10 – 12:00 Qing Han (Notre Dame, USA)  
Isometric embedding of 2-dim Riemannian metric in 3-space
- 12:00 Lunch Break

### **Afternoon:**

- 14:30 – 15:20 John Lott (U of Michigan, USA)  
Dimensional reduction and long-time behaviour of Ricci flow
- 15:40 – 16:30 Bernhard Leeb (Muechen, Germany)  
On convex sets in symmetric spaces of higher rank
- 16:50 – 17:40 Changping Wang (Peking U)  
Submanifolds in Lie sphere geometry and its sub-geometries
- 18:00 Dinner

## **August 7, Tuesday**

### **Morning:**

- 9:00 – 9:50 Viktor Schroeder (Zurich, Switzland)  
Hyperbolic rank of metric spaces
- 10:00 – 10:50 Yuan-Long Xin (Fudan University)  
Curvature estimates for minimal sub-manifolds of higher co-dimension
- 11:10 – 12:00 Shu-Cheng Chang (Tsinghua U, Taiwan)  
On the CR analogue of Li-Yau's eigenvalue estimate of a sublaplacian  
on a pseudo-hermitian 3-manifold
- 12:00 Lunch Break

**Afternoon:**

14:30 – 15:20 Akito Futaki (Tokyo, Japan)

Complete Ricci-flat Kaehler metrics on the canonical bundles of toric Fano manifolds

15:40 – 16:30 Shengliang Pan (ECNU, Shanghai)

On a new curve evolution problem in the plane

16:50 – 17:40 Ravi Shankar (Oklahoma, USA)

Conjugate points in length spaces

18:00 Dinner

**August 8, Wednesday****Morning:**

9:00 – 9:50 Frank Pacard (Paris 12, France)

Constant mean curvature surfaces in Riemannian manifolds

10:00 – 10:50 Yi-Bing Shen (Zhejiang Univ)

On a class of critical Riemannian-Finsler metrics

11:10 – 12:00 Guofang Wang (Uni-Magdeburg , Germany)

Analytic aspects of Sasakian geometry

12:00 Lunch Break

**Afternoon:**

14:30 – 15:20 Kengo Hirachi (Tokyo, Japan)

Q-curvature in CR geometry

15:40 – 16:30 Jih-Hsin Cheng (Academia Sinica, Taipei)

The mass and the Paneitz operator in 3-dimensional CR geometry

16:50 – 17:40 Yuxin Dong (Fudan University)

Chern type Theorems for graphs with parallel mean curvature

18:00 Dinner

## **August 9, Thursday**

### **Morning:**

- 9:00 – 9:50 Ursula Hamenstaedt (Bonn, Germany)  
Minimal Reeb orbits on boundaries of convex domains in  $C^2$
- 10:00 – 10:50 Shihshu Walter Wei (Okalahoma, USA)  
p-Harmonic geometry, variational problems and quasi-regular mappings
- 11:10 – 12:00 Jyh-Yang Wu (Chung-Cheng U, Taiwan)  
Energy, variance and scalar curvature
- 12:00 Lunch Break

### **Afternoon:**

- 14:30 – 15:20 Xiaochun Rong (Rutgers, USA)  
Positively curved manifolds with abelian symmetry
- 15:40 – 16:30 Yuxin Ge (Paris 12, France)  
On the  $\sigma_2$ -scalar curvature and its application
- 16:50 – 17:40 Kazuo Akutagawa (Tokyo, Japan)  
Yamabe constants of infinite coverings and a positive mass theorem
- 18:00 Dinner

## **August 10, Friday**

### **Morning:**

- 9:00 – 9:50 Gerard Besson (Grenoble, France)  
An alternative proof of the geometrization for aspherical manifolds
- 10:00 – 10:50 Hao Fang (Iowa, USA)  
On new conformal curvature invariants
- 11:10 – 12:00 Xiaohuan Mo (Peking University)  
On the non-Riemannian quantity  $H$  of a Finsler metric
- 12:00 Lunch Break

**Afternoon:**

14:30 – 15:20 Zhiqin Lu, (UC Irvine, USA)

On the DDVV conjecture

15:40 – 16:30 Libin Mou (Bradley Univ., USA)

Nonsmooth analysis on metric spaces and its applications

16:50 – 17:40 Werner Ballmann (Bonn, Germany)

Boundary value problems for Dirac operators

Closing remarks

18:00 – 19:00 Conference Banquet

**August 11, Saturday**

Bus tour to a nearby city: Yang Zhou (扬州)

**August 12, Sunday**

Departure