

Complex Geometry and Algebraic Geometry

July 14 - 18, 2014 | Beijing International Center for Mathematical Research

July 14 (Monday)

8:00 Registration

8:45-9:00 Opening remarks

9:00-9:50am Jun Muk Hwang

Deformation of the space of lines on the 5-dimensional hyperquadric

9:50-10:00am Break

10:00-10:50am Philippe Eyssidieux

Some New results on Kähler Groups

10:50-11:30am Group picture ,Tea time

11:30am-12:20pm Arend Bayer

Positivity in algebraic geometry via the derived category

12:30-2:30pm Lunch and break

2:30-3:20pm Toshiki Mabuchi

K-stability and strong K-stability

3:20-4:00pm Tea time

4:00-4:50pm Qi-An Quan

L2 extension problem and strong openness conjecture

July 15 (Tuesday)

9:00-9:50am Ngaiming Mok

Holomorphic isometries from the complex unit ball into bounded symmetric domains

10:00-10:50am Yann Rollin

K-stability and parabolic stability

10:50-11:30am Tea time

11:30am-12:20pm Kang Zuo

Higgs-de Rham flow in non-abelian p-adic Hodge theory and a p-adic analogue of the uniformization theory of hyperbolic Riemann surface

12:30-2:30pm Lunch and break

2:30-3:20pm Weiping Zhang

Asymptotics of analytic torsions

3:20-4:00pm Tea time

4:00-4:50pm Yanir Rubinstein

Asymptotically log Fano varieties

6:00pm **Conference banquet**

July 16 (Wednesday)

9:00-9:50am Valery Alexeev

Degenerations of K3 surfaces of low degree"

9:50-10:30am Tea time

10:30am-11:20pm Claudio Arrezzo

Constant scalar curvature Kahler metrics on resolution of quotient singularities

11:30am-12:30pm Lunch

12:30-5:30pm **Sightseeing**

July 17 (Thursday)

9:00-9:50am Bo Berndtsson

Convexity of the Mabuchi K-energy and applications.

9:50-10:00am Break

10:00-10:50am Chi Li

On deformation of cones and neighborhoods of ample divisors

10:50-11:30am Tea time

11:30am-12:20pm Mihai Paun

Metric with conic singularities and applications

12:30-2:30pm Lunch and break

2:30-3:20pm Sławomir Kołodziej

The complex Hessian equations

3:20-4:00pm tea time

4:00-4:50pm Lei Ni

Asymptotic of solutions of parabolic equations and complex geometry

July 18 (Friday)

9:00-9:50am Lawrence Ein

Syzygies of algebraic curves

9:50-10:00am Break

10:00-10:50am Zhenlei Zhang

Regularity of Kahler-Ricci flow on Fano three-manifolds

10:50-11:30am Tea time

11:30am-12:20pm Jian Song

Riemannian geometry of Kaehler-Einstein currents

12:30-2:30pm Lunch and break

2:30-3:20pm Yongbin Ruan

LG/CY correspondence and wall crossing

3:20-4:00pm Tea time

4:00-4:50pm Daves Maulik

Refined Donaldson-Thomas Theory