Workshop on Complex Geometry

August 4 – 6, 2009

Room 210, Run Run Shaw Bldg., HKU

Program and Abstracts

Institute of Mathematical Research

The University of Hong Kong

Speakers:

Jaehyun Hong	Seoul National University, Korea
Xiangdong Li	Fudan University, China
Joel Merker	Ecole Normale Supérieure, Paris
Ngaiming Mok	HKU, Hong Kong
Sui Chung Ng	HKU, Hong Kong
Tuen-Wai Ng	HKU, Hong Kong
Mounir Nisse	Université de Paris 6, France
Yum-Tong Siu	Harvard University, USA
Wing-Keung To	National University of Singapore
Jonathan Tsai	CUHK, Hong Kong
Weihong Yao	Shanghai Jiaotong University, China
Sai-Kee Yeung	Purdue University, USA

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Time / Date	Aug 4 (Tue)	Aug 5 (Wed)	Aug 6 (Thur)
10:00 – 11:00	Siu	Merker	Yeung
11:00 – 11:20	Tea Break		
11:20 – 12:20	Li	Hong	Yao
Lunch Break			
14:30 – 15:30	Tsai	Ng SC	Ng TW
15:30 – 15:50	Tea Break		
15:50 – 16:50	To	Mok	Nisse

Last updated: Jul 28, 2009

Program

9:55   **Ngaiming Mok**, Director, Institute of Mathematical Research
Opening Remarks

10:00 – 11:00   **Yum-Tong Siu**, Harvard University, USA
Techniques of Value Distribution Theory - Past, Present and Future

Tea Break

11:20 – 12:20   **Xiangdong Li**, Fudan University, China
On the L^p -cohomology of $\bar{\partial}$ over Complete Kähler Manifolds

Lunch Break

14:30 – 15:30   **Jonathan Tsai**, CUHK, Hong Kong
Conformally Invariant Random Curves on Riemann Surfaces Satisfying the Restriction Property

Tea Break

15:50 – 16:50   **Wing-Keung To**, National University of Singapore
Gonality, Seshadri Numbers and Singular Potentials

10:00 – 11:00   **Joel Merker**, Ecole Normale Supérieure, Paris
On the Green-Griffiths Conjecture

Tea Break

11:20 – 12:20   **Jaehyun Hong**, Seoul National University, Korea
Characterization of a Smooth Schubert Variety

Lunch Break

14:30 – 15:30   **Sui-Chung Ng**, HKU, Hong Kong
*On Holomorphic Maps Induced from Measure-preserving
Correspondences of Bounded Symmetric Domains*

Tea Break

15:50 – 16:50   **Ngaiming Mok**, HKU, Hong Kong
Geometry of Holomorphic Maps into Bounded Symmetric Domains

10:00 – 11:00   **Sai-Kee Yeung**, Purdue University, USA
Some Geometric Results Related to Fake Projective Planes

Tea Break

11:20 – 12:20   **Weihong Yao**, Shanghai Jiaotong University, China
Distribution of Normalized Zero-Sets of Random Entire Functions

Lunch Break

14:30 – 15:30   **Tuen-Wai Ng**, HKU, Hong Kong
Exact Meromorphic Solutions of the Falkner-Skan Differential Equation

Tea Break

15:50 – 16:50   **Mounir Nisse**, Université de Paris 6, France
Complex and Non-Archimedean Coamoebas