

Workshop on Theory and Applications of Mathematical Analysis

October 21~22, 2009

Room 308, New Math Building,
Department of Mathematics, National Taiwan University

Invited Speakers

October 21 (Wednesday)

10:20-11:10 Min Wu (吳敏, SCUT-Math, Prof & CS Dean)

Title: Multifractal and Multifractal spectra

11:20-12:10 Jyh-Hao Lee (李志豪, AS-Math, Prof)

Title: Solutions of NLS, DNLS and the Reaction-Diffusion System related to the Resonant Nonlinear Schrödinger Equation

12:10-13:20 Lunch Break

13:20-14:10 Shenglin Zhou (周勝林, SCUT-Math, Prof)

Title: Some New Advances in Groups and Designs

14:20- 15:10 Jein-Shan Chen (陳界山, NTNU-Math, A/Prof)

Title: Recent results about generalized Fischer-Burmeister NCP-function

15:10- 15:30 Tea Break

15:30- 16:20 Bing Li (李兵, Post-doc Fellow)

Title: Dynamical Systems Viewpoint of Continued Fraction and β -expansion

16:30- 17:30 Session on Teaching Math in University

Presenters: Quandi Wang (王全迪, SCUT-Math, Prof & Vice-dean),

Gerard Jennhwa Chang (張鎮華, NTU-Math, Prof & Dept Chair)

October 22 (Thursday)

10:20-11:10 Zhengrong Liu (劉正榮, SCUT-Math, Prof & Dept Chair)

Title: The solitary wave solutions of Camassa-Holm equation and its generalized Form

11:20-12:10 Kin-Ming Hui (許健明, AS-Math, Prof)

Title: Existence and dynamic properties of a parabolic nonlocal MEMS equation

12:10-13:20 Lunch Break

13:20-14:10 Ngai-Ching Wong (黃毅青, NSYSU-Applied Math, Prof)

Title: Disjointness preserving maps of C^* -algebras

14:20-15:10 Yongsheng Li (李用聲, SCUT-Math, Prof)

Title: Global Wellposedness and Long-Time Behavior of Some Nonlinear Evolution Equations

15:10- 15:30 Tea Break

15:30- 16:20 Narn-Rueih Shieh (謝南瑞, NTU-Math, Prof)

Title: Kinetic Systems with Random Initial Data

Abbreviations

AS: Academia Sinica (中央研究院, 台北市)

NSYSU: National Sun-Yat-Sen University (中山大學, 高雄市)

NTU: National Taiwan University (台灣大學, 台北市)

NTNU: National Taiwan Normal University (台灣師範大學, 台北市)

SCTU: South China University of Technology (華南理工大學, 廣州市)

Sponsors :

Mathematics Division, National Center for Theoretical Sciences (Taipei Office) (<http://math.cts.ntu.edu.tw/>)

Department of Mathematics, National Taiwan University (<http://www.math.ntu.edu.tw/>)