



Department of Mathematics
Institute of Mathematical Sciences
The Chinese University of Hong Kong

數學系
數學科學研究所
香港中文大學

Workshop on Dynamical Systems and Analysis on Fractals

Workshop Schedule

Date: 26 April 2008, Saturday
Venue: Room 222, Lady Shaw Building, CUHK

Time	Speaker	Title
9:00am – 9:50am	Professor Quan-Sheng Liu (Univ. of South Brittany)	Mandelbrot's cascades and branching random walks in random environment
10:00am – 10:30am	Professor Pablo Shmerkin (Univ. of Manchester)	Fractal percolation and visibility
10:30am – 10:45am	~ Tea break ~	
10:45am – 11:15am	Professor Xiang-Yang Wang (Zhong-Shan Univ.)	Self-similar sets as hyperbolic boundaries
11:25am – 11:55am	Professor Yuan-Ling Ye (South China Normal Univ.)	Hausdorff dimension of sub-self-conformal sets.
~ Lunch break ~		
2:00pm – 2:50pm	Professor Pierre Liardet (Univ. de Provence)	Dynamical and harmonical structures behind numeration systems
3:00pm – 3:30pm	Dr. Lin Shu (Peking University)	Some applications of random dynamical systems in dimension analysis
3:30pm – 3:45pm	~ Tea break ~	

Time		Speaker	Title
3:45pm	— 4:15pm	Professor Jun Luo (Zhong-Shan University)	Neighbor numbers of 2D tiling
4:25pm	— 4:55pm	Dr. Guo-Hua Zhang (Fudan Univ. & CUHK)	Lowering entropy over subsets in dynamical systems
5:05pm	— 5:35pm	Professor Tian-Jia Ni (Tsinghua Univ.)	The self-affine property of (U,r)-Carlitz sequence of polynomials
6:30pm		~ ~ <i>Banquet at Chung Chi College Staff Club</i> ~ ~	

Date: 27 April 2008, Sunday
Venue: Room 222, Lady Shaw Building, CUHK

Time		Speaker	Title
9:00am	— 9:30am	Professor Ka-Sing Lau (CUHK)	Heat kernel on metric measure spaces
9:40am	— 10:10am	Dr. Jonathan Tsai (CUHK)	Restriction measures on Riemann surface
10:10am	— 10:25am	~ <i>Tea break</i> ~	
10:25am	— 10:55am	Professor Sheung-Chi Yam (Hong Kong Poly. Univ.)	Space-filling rough paths and an application to geometric integration theory
11:05am	— 11:35am	Professor Patrick Ng (University of Hong Kong)	Smale's mean value conjecture and the Amoebae
11:45am	— 12:15noon	Professor De-Jun Feng (CUHK)	Ergodic theory of iterated function systems

All are Welcome