交通大學應用數學系 & 數學建模與科學計算研究中心

NCTU In-house Workshop on Applied Mathematics, April 7-8, 2010

Venue：交通大學科學一館 SA311

Program

4/7 星期三	動態系統及方程(上午) / 組合數學(下午)	
Time	**Speaker**	**Title**
10:10-10:35	林松山	**Patterns Generation Problems**
10:35-11:00	莊　重	**Synchronization and Our Group**
11:00-11:25	石至文	**Some Mathematical Models on Biology**
11:25-11:50	李明佳	**Multidimensional Perturbations and Chaos**
11:50-12:15	李榮耀	**Spring, Pendulum, and Motions in between**
12:15-14:00	Lunch	
14:00-14:30	傅恆霖	**Ascending Subgraph Decomposition of a Graph**
14:30-14:40	Break	
14:40-15:10	陳秋媛	**Constructing independent spanning trees: its vertex conjecture and its edge conjecture**
15:10-15:40	符麥克	**Stochastic Analysis of Random Digital Trees**
15:40-16:10	翁志文	**Polynomials That Exhibit the Cyclic Sieving Phenomenon**
16:10-17:30	十八尖山健行	
4/8 星期四	科學計算(上午) / 機率、算子及數論(下午)	
10:10-10:35	賴明治	**Numerical methods for incompressible fluids with interfaces**
10:35-11:00	葉立明	**Error estimates for elliptic equations in perforated domains**
11:00-11:25	張正宏	**Spintronics in regular and chaotic billiards**
11:25-11:35	Break	
11:35-12:00	吳金典	**A Few Topics in Simulations of Micropump**
12:00-12:25	張書銘	**Numerical Computations in Ecological Models**
12:25-14:00	Lunch	
14:00-14:25	吳培元	矩陣數值域與投影幾何
14:25-14:50	楊一帆	**Applications of modular forms in number theory**
14:50-15:00	Break	
15:00-15:25	許元春	**Stochastics and Finance**
15:25-15:50	盧鴻興	**Analysis of Medical Images**
15:50-16:15	陳冠宇	**The Markov chain Monte Carlo method**