

Asian Mathematical Conference 2005

Singapore, July 20-23, 2005

July 20: 10.15am-11.15am			
Ngaiming MOK: Geometry of the Bergman metric and total geodesy of local holomorphic isometries between bounded symmetric domains			
July 20: 11.15am-12.15am			
Masaki KASHIWARA: Crystal bases for quantized affine algebras			
July 20: 1.30pm-2.10pm			
S. M. BHATWADEKAR: Projective modules over smooth real affine algebras	Dipendra PRASAD: Period integrals and L-functions	Nawarat ANANCHUEN: Connected domination critical graphs with cut vertices	Qi FENG: The Inner Model Program
July 20: 2.10pm-2.50pm			
Jun-Mak HWANG: Space of surjective morphisms between projective varieties	Jingsong HUANG: Characters and Dirac cohomology	Jaigyong CHOE: Total curvature and isoperimetric inequality	Chaoping XING: A characterization of quantum codes and constructions
July 20: 2.50pm-3.30pm			
Victor DIDENKO: Spectral radius of refinement and subdivision operators for some classes of dilation matrices	Weiping ZHANG: Bergman kernel and symplectic reduction	Fengyu WANG: Dimension-free Harnack inequality for diffusion semigroups and applications	Heng Huat CHAN: New series of π , $1/\pi$, $1/\pi^2$
July 20: 4.00pm-5.00pm			
Short Communications			
July 21: 9.00am-10.00am			
Martin GOLUBITSKY: Coupled cell systems: theory and examples			
July 21: 10.15am-11.15am			
Lei GUO: Feedback and uncertainty			
July 21: 11.20am-12.00pm			
Ngo Viet TRUNG: Mixed multiplicities of ideals versus mixed volumes of polytopes	Chao HSIUNG: Applications of statistics in genetic studies- gene mapping for complex diseases	Hendra GUNAWAN: Generalized fractional integral operators and their modified versions	(canceled)
July 21: 12.00pm-12.40pm			
V. B. MEHTA: Singularities of moduli spaces of vector bundles on curves	Qiman SHAO: Self-normalized limit theory and its recent development	Toshiyasu ARAI: An expository survey on epsilon substitution method	(canceled)
July 21: 2.00pm-2.40pm			
Edy Tri BASKORO: On the structure of almost Moore digraphs containing selfrepeats	Yupapom KEMPRASIT: Order-preserving transformation	Seok-Jin KANG: Crystal bases for quantum affine algebras and combinatorics of Young walls	Yongvimol LENBURI: Study of pattern selection in nonlinear phenomena by weakly nonlinear stability analysis

	semigroups whose bi-ideals and quasi-ideals		
July 21: 2.40pm-3.20pm			
Indranil BISWAS: Notes on holomorphic principal bundles over a compact Kaehler manifold	Jie-Tai YU: On cancellation problems	Toshiyuki KOBAYASHI: Multiplicity-free theorem and visible actions on complex manifolds	Xun Yu ZHOU: Mean-risk portfolio selection: continuous-time and single period
July 21: 3.45pm-5.05pm			
Short Communications			
July 22: 9.00am-10.00am			
Noga ALON: (n, d, λ) -graphs in combinatorics and complexity			
July 22: 10.15am-11.15am			
Tony F. CHAN: Combining PDE and wavelet techniques for image processing			
July 22: 11.20am-12.00pm			
Xing-Bin PAN: Nucleation of smectics and critical magnetic fields	Xiangyu ZHOU: On invariant holomorphic extension	Hiraku NAKAJIMA: Instanton counting	Shigeru MUKAI: On the original fourteenth problem of Hilbert
July 22: 12.00pm-12.40pm			
Suthep SUANTAI: On new fixed-point iterations for asymptotically nonexpansive mapping in Banach spaces	Nathan LINIAL: Lifts of graphs	Masatoshi NOUMI: Tropical combinatorics of Young tableaux	Probal CHAUDHURI: Statistical learning from distributions of DNA words
July 22: 2.00pm-2.40pm			
Vladimir ROMANOV: Uniqueness and stability in inverse problems for hyperbolic equations	Rama PARIMALA: Arithmetic properties of certain 2-dimensional fields	Yasuyuki KAWAHIGASHI: Classification of conformal field theories with operator algebras	Arup BOSE: Record values
July 22: 2.40pm-3.20pm			
Xiao-Ping WANG: The moving contact line on patterned surfaces	Zongmin WU: Best quasi-interpolation and scattered data quasi-interpolation	Kang ZUO : Arakelov inequalities and the uniformization of certain rigid Shimura varieties	Cheng-Der FUH: Renewal theory and ruin probabilities in Markov random walks
July 22: 3.45pm-5.25pm			
Short Communications			
July 23: 9.30am-10.30am			
Chi Tat CHONG: Reverse mathematics and logical analysis of Ramsey's theorem			
July 23: 11.00am-12.00am			
Ching-Shui CHENG: Orthogonal arrays as factorial designs			
July 23: 9.10am-9.50am			
Man Keung SIU: Mathematics in teaching and teaching of mathematics			
July 23: 9.50am-10.30am			
Fou-Lai LIN: False proposition - as a means for making conjectures in mathematics classrooms			
July 23: 10.45am-11.25am			
Khoon Yoong WONG: Add values to mathematics instruction: a Singapore initiative			

July 23: 11.25am-12.05pm			
Noriko H. ARAI: Let's Blend Online and Offline; "Write-in-Math!"			
July 23: 12.05pm-12.45pm			
Berinderjeet KAUR: Performance of Singapore's pupils in TIMSS Some pedagogical practices of mathematics teachers in singapore schools	Cheng-Bo ZHU: Some aspects of unitary representations of classical groups	Andrew RAJAH: From Moufang loops to groups: a journey	Igor S. BORISOV: Stochastic integrals of nonrandom kernels for nonorthogonal noises and asymptotic analysis of canonical von Mises statistics of dependent observations
July 23: 2.00pm-2.40pm			
Anthony KUK: Hybrid pairwise likelihood methods	Masahiko MIYAMOTO: McKay's E_8 -observation, a lattice VOA V_{E_8} and Coxeter elements	Masakazu KOJIMA: Sums of squares relaxation of polynomial optimization problems	Tong YANG: The contact discontinuity for gas motions
July 23: 2.40pm-3.20pm			
Kim Chuan TOH: A semidefinite programming based approach for anchor-free 3D graph realization	Arlene A. PASCASIO: The pseudo primitive idempotents of a distance-regular graph	Benjamin YAKIR: On the distribution of linkage statistics for partially informative markers	Ping LIN: Operator splitting and fast C^0 finite element methods for liquid crystal Flows
July 23: 3.40pm-4.20pm			
Xing JIN: A state-space partitioning method for pricing high-dimensional American-style options	Makoto MATSUMOTO: The action of the Galois group on the Lie algebra of the fundamental groups	Wing Keung TO: Singular potential functions on Hermitian symmetric manifolds and some applications	Jungho YOON: Stationary subdivision schemes reproducing polynomials
July 23: 2.00pm-3.20pm			
Short Communications			
July 23: 2.40pm-5.00pm			
Teachers' Workshops			