

Kyoto Prize Satellite Workshop in Tokyo

Program

November 16

15:00 - 15:45	Ravi Kannan	Cubic and Higher Forms
15:45 - 16:30	András Frank	Optimal Sink-Stable Sets
16:30 - 17:00	<i>Coffee Break</i>	
17:00 - 17:45	András Sebő	Some Recent Results on the Duality Gap
17:45 - 18:30	Bruce Shepherd	The VPN Problem and Extensions

November 17

9:30 - 10:15	William Cook	Traveling Salesman Problems
10:15 - 11:00	Jaroslav Nešetřil	Left and Right (a journey through jungle of arrows)
11:00 - 11:30	<i>Coffee Break (Poster Section)※</i>	
11:30 - 11:55	Sang-il Oum	Hyperbolic Surface Subgroups of One-Ended Doubles of Free Groups
11:55 - 12:20	Hidetoki Tanaka	Hard Functions for Low-Degree Polynomials over Prime Fields
12:20 - 14:00	<i>Lunch Break (Poster Section)※</i>	
14:00 - 14:45	Santosh Vempala	Effective Principal Component Analysis
14:45 - 15:30	Jeong Han Kim	Anatomy of a Young Giant Component in the Random Graph
15:30 - 16:15	Bruce Reed	The Lovász Local Lemma
16:15 - 17:00	<i>Long Coffee Break (Poster Section)※</i>	
17:00 - 18:00	László Lovász	On the Topology of Graphons
18:00 -	<i>Banquet</i>	

※The list of 'Poster Section' is given on the back.

November 18

9:30 - 10:15	Michael Plummer	Extendable Structures in Graphs
10:15 - 11:00	Bojan Mohar	Average Degree Condition Forcing Complete Graph Immersion
11:00 - 11:30	<i>Coffee Break</i>	
11:30 - 11:55	Kenta Ozeki	A New Proof for the Two Disjoint Odd Cycles Theorem
11:55 - 12:20	Yusuke Kobayashi	The Edge Disjoint Paths Problem in Eulerian Graphs and 4-Edge-Connected Graphs
12:20 - 14:00	<i>Lunch Break</i>	
14:00 - 14:25	Hiroshi Hirai	Tree Metrics and Edge-Disjoint S-paths
14:25 - 14:50	Shin-ichi Tanigawa	A Combinatorial Characterization of a Certain Class of 3-dimensional Rigidity Matroids
14:50 - 15:35	Balázs Szegedy	On the Graph Limit Theory
15:35 - 15:40	Closing Remarks	

Poster Section (November 17)

Charles Jordan	Testing Classes of First-Order Formulae
大館陽太 (Yota Otachi)	Parameterized Complexity of the Spanning Tree Congestion Problem
田中秀宗 (Hidetoki Tanaka)	Hard Functions for Low-degree Polynomials over Prime Fields
青野良範 (Yoshinori Aono)	On the Optimality of Lattices for the Coppersmith Technique
Mario Larangeira	Non-Programmable Weakened Random Oracle
Benjamin Rossman	Average-case complexity of detecting cliques
林愛空 (Naruhiko Hayashi)	Vector Precoding using Mean Field Approximation
北原知就 (Tomonari Kitahara)	A bound for the number of different basic solutions generated by the simplex method
土屋翔一 (Shoichi Tsuchiya)	Geometric realizations of triangulations on the non orientable surfaces
谷川眞一 (Shin-ichi Tanigawa)	Combinatorial characterizations of certain classes of 3-dimensional rigidity matroids
吉田悠一 (Yuichi Yoshida)	Optimal Constant-Time Approximation Algorithms and (Unconditional) Inapproximability Results for Every Bounded-Degree CSP
戸田貴久 (Takahisa Toda)	On Partitioning Colored Points
井智弘 (Tomohiro I)	Reverse Engineering of Data Structures on Strings
安藤映 (Ei Ando)	Combinatorial Approaches for Estimating Distribution Functions in Stochastic Optimization