Report from the Japanese Chapter

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Kyoto Prize

The Kyoto Prize is held by the non-profit Inamori Foundation, and it is one of the most famous prizes in Japan. According to its web site[1]:

> The Kyoto Prize is an international award to honor those who have contributed significantly to the scientific, cultural, and spiritual betterment of mankind. The Prize is presented annually in each of the following three categories: Advanced Technology, Basic Sciences, and Arts and Philosophy.

November 10, 2010, **Dr. László Lovász** (Eötvös Loránd University) receives the 26th annual Kyoto Prize in Basic Sciences which is the award for his outstanding contributions to the advancement of both the academic and technological possibilities of the mathematical sciences. *Congratulations!!*

The details of the prize can be found at the web site[2]. Japanese TCS society celebrates it, and the following two workshops were held in Kyoto and Tokyo:

Mathematical Development of Algorithm Science: The following lectures were given on November 12, 2010 at Kyoto International Conference Center

The Mathematical Challenge of Very Large Networks	László Lovász
Combinatorial Geometry: Mathematics for Geometric Data Processing	Takeshi Tokuyama
CompView and the Lovász Local Lemma	Osamu Watanabe
Convexity in Combinatorial Optimization	Satoru Iwata
Structure Theorems and Decomposition Theorems in Graph Theory	Ken-ichi Kawarabayashi

You can find the abstracts in English at the PDF file on the web[3].

Kyoto Prize Satellite Workshop in Tokyo: The following lectures were given on November 16-18, 2010 at Tokyo Institute of Technology

[1] http://www.inamori-f.or.jp/e_kp_out_out.html
[2] http://www.kyotoprize.org/news/pressrel/pressrel_040810_lovasz.htm
[3] http://www.inamori-f.or.jp/laureates/k26_b_laszlo/img/wksab_e.pdf

Cubic and Higher Forms	Ravi Kannan
Optimal Sink-Stable Sets	András Frank
Some Recent Results on the Duality Gap	András Sebö
The VPN Problem and Extensions	Bruce Shepherd
Traveling Salesman Problems	William Cook
Left and Right (a journey through jungle of arrows)	Jaroslav Nešetřil
Hyperbolic Surface Subgroups of One-Ended Doubles of Free Groups	Sang-il Oum
Hard Functions for Low-Degree Polynomials over Prime Fields	Hidetoki Tanaka
Effective Principal Component Analysis	Santosh Vempala
Anatomy of a Young Giant Component in the Random Graph	Jeong Han Kim
The Lovász Local Lemma	Bruce Reed
On the Topology of Graphons	László Lovász
Extendable Structures in Graphs	Michael Plummer
Average Degree Condition Forcing Complete Graph Immersion	Bojan Mohar
A New Proof for the Two Disjoint Odd Cycles Theorem	Kenta Ozeki
The Edge Disjoint Paths Problem in Eulerian Graphs and 4-Edge-Connected Graphs	Yusuke Kobayashi
Tree Metrics and Edge-Disjoint S-paths	Hiroshi Hirai
A Combinatorial Characterization of a Certain Class of 3-dimensional Rigidity Matroids	Shin-ichi Tanigawa
On the Graph Limit Theory	Balázs Szegedy

You can find the details of the workshop at the web site[4]. At these workshops, many exciting talks were given by gorgeous invited speakers!

The Japanese Chapter

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[4] http://www.kurims.kyoto-u.ac.jp/~takazawa/KPSW/index.html