



São Paulo School of Advanced Science on Algorithms, Combinatorics and Optimization

July 18 to 29, 2016

The school will be held at the Institute of Mathematics and Statistics of the University of São Paulo, Brazil.

It is aimed at Master's students, PhD students, and young researchers.

Undergraduate students may also qualify.

COURSES

R. Kleinberg (Cornell), Combinatorial stochastic search and selection

Y. Kohayakawa (USP), The regularity method and blow-up lemmas for sparse graphs

A. Kostochka (UIUC), Coloring sparse graphs with few colors

Daniel Král' (Warwick), Graph limits and their applications in extremal combinatorics

C.L. Lucchesi (UFMS), The perfect matching polytope, solid bricks and the perfect matching lattice

F.K. Miyazawa (UNICAMP) and **F.M. Oliveira Filho (USP)**, Geometric packing

R. Morris (IMPA), The method of hypergraph containers

S. Robins (USP), Harmonic analysis on polytopes and cones

L. Tunçel (Waterloo), Semidefinite programming techniques in combinatorial optimization

E. Upfal (Brown), Sample complexity and uniform convergence

D. Williamson (Cornell), Recent progress in approximation algorithms for the TSP

TALKS

C.C. de Souza (UNICAMP), K. Jansen (Kiel), M. Kiwi (U. Chile), B. Reed (McGill) and J.L. Szwarcfiter (UFRJ)

FELLOWSHIPS and REGISTRATION

Funding will be provided for local expenses and travel. Funding applications sent by March 28 will receive full consideration. Early registration (by May 1): 50 US dollars (students) and 80 US dollars (others).

<http://sp-school2016.ime.usp.br>

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Organization

Funding

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