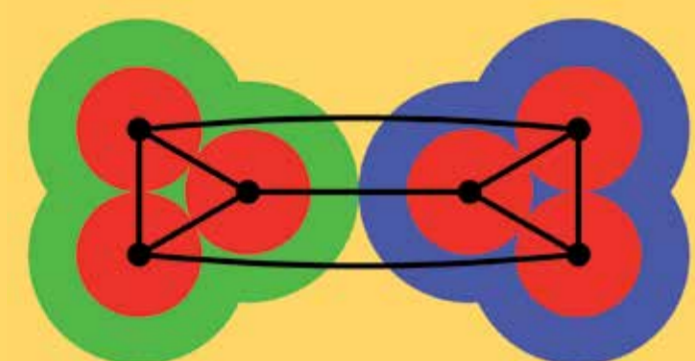


September - December 2015



Trimester Program

Combinatorial Optimization

Organizers: András Frank, Satoru Iwata, Jochen Könnemann, Jens Vygen

Combinatorial optimization is an active field leveraging ideas from many different areas including graph theory, combinatorics, matroid theory, submodularity, connectivity, network flows, approximation algorithms, mathematical programming, game theory, algebraic and geometric methods, and applications. This trimester program is intended to bring together the field's best researchers focusing on the discovery of new connections, and to establish new and deepen existing international collaborations.

We will host long-term visitors and plan four workshops during the program, on the broad topics

- Connectivity, Routing, and Network Design
- Rigidity, Submodularity, and Discrete Convexity
- Relaxations and Polyhedral Methods
- Algorithmic and Computational Game Theory

Those planning to participate include:

Nikhil Bansal	Kamal Jain	R. Ravi	Cliff Stein
Joseph Cheriyan	Tibor Jordán	Bruce Reed	Bernhard von Stengel
William Cook	Michael Jünger	Thomas Rothvoß	Ola Svensson
Gérard Cornuéjols	Volker Kaibel	Laura Sanità	Chaitanya Swamy
Friedrich Eisenbrand	Monique Laurent	Alexander Schrijver	Jan Vondrák
Samuel Fiorini	Jon Lee	Andreas Schulz	Robert Weismantel
Satoru Fujishige	Ruta Mehta	András Sebő	David Williamson
Michel Goemans	Kazuo Murota	Bruce Shepherd	Gerhard Woeginger
Anupam Gupta	Neil Olver	David Shmoys	Laurence Wolsey
Nicole Immorlica	Britta Peis	Martin Skutella	Rico Zenklusen

Call for participation: The Hausdorff Research Institute offers visiting positions for the whole period of the trimester program (for senior scientists, postdocs and PhD students). The deadline for applications is January 31, 2015. Please send applications (including CV and, for postdocs and PhD students, a letter of recommendation) using our online application form at <http://www.him.uni-bonn.de/combinatorial-optimization-2015/>. In addition numerous fellowships for shorter periods are available.