

## **Pretty Structures, Existential Polytime and Polyhedral Combinatorics Program**

Institute Henri Poincaré, 11 rue Pierre et Marie Curie, Paris. [www.ihp.jussieu.fr](http://www.ihp.jussieu.fr)

### **Tuesday, April 7**

- 9:00 Martin Loeb, Czech Republic – Matchings and Algorithm Complexity  
9:30 Claudio Lucchesi, Brazil – Edmonds Graphs  
10:00 Winfried Hochstadter, Germany – Mixed Matching Markets  
10:30-11:00 Coffee  
11:00 Tamás Király, Hungary – Good Characterizations for Connectivity Augmentation  
11:30 Sándor Fekete, Germany – Geometric Connectivity Problems  
12:00 Stephan Thomassé, France – Submodularity of Partition Functions  
12:30-2:00 Lunch  
2:00 Nicolas Trotignon, France – Even Pairs and Perfect Graphs  
2:30 Jan van den Heuvel, United Kingdom – Degrees of Perfectness  
3:00 Bernhard von Stengel, United Kingdom – Lemke Pivoting  
3:30-4:00 Coffee  
4:00 Franz Rendl, Austria – Semidefinite Optimization – Why Bother?  
4:30 Laurence Wolsey, Belgium – Polyhedral Results for Mixing Sets  
5:00 Jack Edmonds, USA and Canada – Optimum Branching Systems

### **Wednesday, April 8**

- 9:00 Bjarne Toft, Denmark – The Theorem of Turán  
9:30 Adrian Bondy, France – Vines  
10:00 Patrice Ossona de Mendez, France – Indegree-bounded Orientations of Graphs  
10:30-11:00 Coffee  
11:00 Andreas Brandstädt, Germany – Variants of Induced Matchings  
11:30 Derek Corneil, Canada – Simple Algorithms Based on Graph Searches  
12:00 Edoardo Amaldi, Italy – Minimum Cycle Bases in Undirected Graphs  
12:30-2:00 Lunch  
2:00 András Sebő, France – Making Long Stories Short ... From the Last 24 Years  
2:30 Myriam Preissmann, France – Lovász and Lehman Theorems on Clutters  
3:00 Zoltán Szigeti, France – Edge-Connectivity Augmentation  
3:30-4:00 Coffee  
4:00 Henry Crapo, France – Ineffable Cacaphony  
4:30 András Recski, Hungary – Is This Matrix Singular?  
5:00 Michel Las Vergnas, France – LP in Oriented Matroids, and the Active Bijection

### **Thursday, April 9**

- 9:00 Michel Deza, France – Cones of Partial Metrics  
9:30 Vincent Duquenne, France – Lattices and Concept Systems  
10:00 Jan Kratochvíl, Czech Republic – Exact Exponential-time Algorithm for Frequency Assignment  
10:30-11:00 Coffee  
11:00 Hubert de Frayssiex, France – Geometric Representations of Graphs  
11:30 Mike Jünger, Germany – Crossing Number and Geometric Duality  
12:00 Volker Kaibel, Germany – Simplifying with Extended Formulations  
12:30-2:00 Lunch  
2:00 Michel Habib, France – A Decomposition for Chordal Graphs and Applications  
2:30 Jean Fonlupt, France – Graph Decompositions  
3:00 Jaroslav Nešetřil, Czech Republic – Dualities and Good Characterizations  
3:30-4:00 Coffee  
4:00 Denis Cornaz, France – The Sandwich Line-Graph  
4:30 Jean François Maurras, France – On the Connectivity of  $k$ -Clique Polyhedra  
5:00 Kathie Cameron, Canada – Coflow Polyhedra