

AUSTRIAN SCIENCE FUND – WORKSHOP PROGRAM
Fair Division, Voting and Computational Complexity
Graz, 28 – 30 April 2014

The goal of this workshop is to bring together top researchers in the areas of Social Choice Theory and Computer Science to discuss algorithmic and computational aspects of fair division methods and voting rules.

Developments in recent years have shown the increased importance of research at the interface of social choice theory and computer science and lead to many interesting insights. This workshop aims at strengthening those developments and initiate further interdisciplinary cooperation.

Support: The workshop is financed by the Austrian Science Fund through the project P23724-G11 “Fairness and Voting in Discrete Optimization” and supported by the University of Graz and the Graz Schumpeter Centre.



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Monday 28 April

9:00 – 9:10	Welcome
9:10 – 10:40	Vincent Merlin (University of Caen): <i>“Evaluating the Likelihood of the Referendum Paradox for Mixed Voting Systems”</i> (with M. Le Breton and D. Lepelley) Michael Jones (Math Reviews, Ann Arbor): <i>“The Colley Matrix Method as an Extension of the Borda Count”</i>
10:40 – 11:10	Coffee Break
11:10 – 12:40	Ulle Endriss (University of Amsterdam): <i>“Voting as Selection of the Most Representative Voter”</i> (with U. Grandi) Jerome Lang (University of Paris-Dauphine): <i>“New Results on Equilibria in Strategic Candidacy”</i> (with N. Maudet and M. Polukarov)
12:40 – 14:00	Lunch
14:00 – 15:30	Hans Peters (University of Maastricht): <i>“Indirect Control and Power in Mutual Control Structures”</i> (with D. Karos) Gerhard Woeginger (TU Eindhoven): <i>“Obstructions and Forbidden Substructures in Social Choice”</i>
15:30 – 16:00	Coffee Break
16:00 – 17:30	Bettina Klaus (University of Lausanne): <i>“Consistency and its Converse for Roommate Markets”</i> Umberto Grandi (University of Padova): <i>“Pre-Vote Negotiations and Binary Voting with Constraints”</i>

Tuesday 29 April

9:00 – 10:30	<p>Christian Klamler (University of Graz): <i>“Knapsack Cost Sharing”</i> (with A. Darmann)</p> <p>Sascha Kurz (University of Bayreuth): <i>“Price of Fairness for Indivisible Goods”</i></p>
10:30 – 11:00	<p>Coffee Break</p>
11:00 – 12:30	<p>Steven Brams (New York University): <i>“A Maximally Proportional Algorithm for the N-Person Fair Division of Indivisible Items”</i> (with M. Kilgour and C. Klamler)</p> <p>Andreas Darmann (University of Graz): <i>“Maximizing Nash Product Social Welfare in Allocating Indivisible Goods”</i> (with J. Schauer)</p>
12:30 – 14:00	<p>Lunch</p>
14:00 – 15:30	<p>Marc Kilgour (Wilfrid Laurier University): <i>“Two-Person Fair Division of Indivisible Items: An Efficient, Envy-Free Algorithm”</i> (with S. Brams and C. Klamler)</p> <p>Ulrich Pferschy (University of Graz): <i>“The Shortest Path Game”</i> (with A. Darmann and J. Schauer)</p>
15:30 – 16:00	<p>Coffee Break</p>
16:00 – 17:00	<p>Rump Session</p>
19:30	<p>Workshop Dinner</p>

Wednesday 30 April

9:30 – 10:15	Daniel Eckert (University of Graz): <i>“Modelling Judgment Aggregation in Model Theory”</i> (with F. Herzberg)
10:15 – 10:45	<i>Coffee Break</i>
10:45 – 12:15	Burak Can (University of Maastricht): <i>“Update Monotonicity and Applications”</i> (with T. Storcken) Hannu Nurmi (University of Turku): <i>“A Case for Slater’s Rule?”</i>
12:15	<i>Lunch</i>
<i>END OF WORKSHOP</i>	