

# „Mathematics and Politics: Democratic Decision Making”

## Program 1.0

Monday, 28 May, 2018

8:45 – 9:15	<i>Registration and Welcome Coffee</i>
9:15 – 10:15	<i>Opening Remarks and Self-Introductions</i> (one slide and one minute per person) <b>Werner Kirsch, Annick Laruelle, Stefan Napel, all Participants</b>
10:15– 11:00	Introductory Keynote: <i>Democratic Systems and Political Representation</i> <b>Bernard Grofman</b>
11:00 – 11:15	<i>Coffee Break</i>
11:15 – 12:00	Perspectives from Political Practice: <i>Democracy in Europe and the European Union</i> <b>Elmar Brok (MEP)</b>
12:00 – 12:30	<i>What Social Choice Theory does and does not Teach us About Democracy</i> <b>Hannu Nurmi</b>
	Chair: Manfred Holler
12:30 – 14:30	<i>Lunch</i>
14:30 – 15:00	<i>A Quasi-Natural Experiment on Electoral Rules and Political Representation</i> <b>David Stadelmann</b>
15:00 – 15:30	<i>Election Rules, Legislators’ Incentives, and Policy Outcomes: Evidence from the Mixed-member System in Germany</i> <b>Nicola Maaser</b>
15:30 – 16:00	<i>Power and Bloc formation in a Consociational Democracy: Lessons from the Lebanese Republic</i> <b>Frank Steffen</b>
	Chair: Christian Klamler
16:00 – 16:30	<i>Coffee Break</i>
16:30 – 17:00	<i>Polarization and Power Distribution in the European Parliament</i> <b>Fuad Aleskerov</b>
17:00 – 17:30	<i>European Parliament Elections: Structural Factors and Voter Turnout 1979 to 2014</i> <b>Madeleine Hosli</b>
17:30 – 18:00	<i>Servant of Two Masters or National Interests in the European Parliament</i> <b>Wojciech Słomczyński</b>
	Chair: Antti Pajala
18.15 – 18.45 from 18.45	<i>Aperitif</i> <i>Dinner</i>

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9:00 – 9:30	<i>Practical Preferential Voting Rules</i> <b>Felix Brandt</b>	
9:30 – 10:00	<i>Proportional Representation Without Party Lists</i> <b>Markus Brill</b>	
10:00 – 10:30	<i>On the Complexity of Justified Representation</i> <b>Edith Elkind</b>	
		Chair: Anke Gerber
10:30 – 11:00	<i>Coffee Break</i>	
11:00 – 11:30	<i>Evaluating the Likelihood of the Referendum Paradox for Mixed Voting Systems</i> <b>Vincent Merlin</b>	
11:30 – 12:00	<i>Manipulation, Control, and Bribery in Voting</i> <b>Jörg Rothe</b>	
12:00 – 12:30	<i>Limit Results for Power Indices</i> <b>Sascha Kurz</b>	
		Chair: Maurice Salles
12:30 – 14:30	<i>Lunch</i>	
14:30 – 15:00	<i>Resource Allocation by “Frugal” Majority Rules: An Arrovian Possibility Result</i> <b>Clemens Puppe</b>	
15:00 – 16:00	<i>Rump Session</i> [5-10 min. talks, challenges, open problems, other announcements] Markus Brill, Monika Mühlböck, Antti Pajala, Marina Uzunova, ... Others please let us know if you’re interested!	
16:00 – 16:30	<i>Coffee Break</i>	
16:30– 17:00	<i>Voting to Split</i> <b>William Zwicker</b>	
17:00 – 17:30	<i>Legislative Bargaining in Weighted Majority Games</i> <b>Maria Montero</b>	
17:30 – 18:00	<i>Representation by Approval: the Diversity Value</i> <b>Klaus Nehring</b>	
		Chair: André Casajus
18.15 – 18.45	<i>Aperitif</i>	
18.45	<i>Conference Dinner</i>	

# „Mathematics and Politics: Democratic Decision Making”

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Wednesday, 30 May, 2018

9:00 – 9:30	<i>Voter Responsiveness and Responsibility for Supranational Fiscal Governance</i> <b>Thomas König</b>	
9:30 – 10:00	<i>On the Weights of Sovereign Nations</i> <b>Rafael Treibich</b>	
10:00 – 10:30	<i>Influence and Compromise</i> <b>Geoffrey Grimmett</b>	
		Chair: Monika Mühlböck
10:30 – 11:00	<i>Coffee Break</i>	
11:00 – 11:30	<i>Balance of Power in the European Union Legislature</i> <b>Andrew Duff</b>	
11:30 – 12:00	<i>Degressive Representation and Double Proportionality</i> <b>Friedrich Pukelsheim</b>	
12:00 – 12:30	<i>Composition of the European Parliament in 2019</i> <b>Vitoriano Ramirez</b>	
		Chair: Claus Beisbart
12:30– 14:00	<i>Lunch</i>	
14:00 – 14:30	<i>Two-tier Voting systems and Probability Measures on the Simplex</i> <b>Karol Życzkowski</b>	
14:30 – 15:00	<i>Estimating the Probability of Acting as a Trustee</i> <b>Serguei Kaniovski</b>	
15:00-15:30	<i>The Coleman-Shapley-Index: Being Decisive Within the Coalition of the Interested</i> <b>Frank Hüttner</b>	
15:30-16:00	<i>Influence in Weighted Committee Games</i> <b>Alexander Mayer</b>	
		Chair: Federico Valenciano
16:00 – 16:45	<i>Coffee, Canapés and Closing Remarks</i> <b>All Participants, Werner Kirsch, Annick Laruelle, Stefan Napel</b>	
16:45 – 18:15	<i>Optional (w/ small individual fee):</i> <b>Guided tour of Herrenhausen’s <i>Berggarten</i> (botanical garden, conservatories)</b> Please register beforehand!	