



Centre for Philosophy
of Natural and Social Science



THE LONDON SCHOOL
OF ECONOMICS AND
POLITICAL SCIENCE ■

Voting Power in Practice Symposium

Voting Power in Social/Political Institutions: Typology, Measurement, Applications

Sponsored by The Leverhulme Trust

Centre for Philosophy of Natural and Social Science (CPNSS)
London School of Economics
20 – 22 March 2011

(VPP Co-Directors: Rudolf Fara, Dan Felsenthal, Dennis Leech, Moshé Machover, Maurice Salles)

PROGRAMME

Sunday 20 March

15:00–17:00 Registration in CPNSS (2nd Floor, Lakatos Bldg, Portugal Street (opposite George IV pub), London WC2A 2AE)

17:00–17:15 Chair's Opening Remarks
Rudolf Fara (LSE)

17:15–18:00 Keynote Address
Manfred J Holler (University of Hamburg) *Looking for monotonicity*

18:00–18:30 Opening Session
Pukelsheim, Friedrich (University of Augsburg)
A probabilistic 're-view' on F&M's Measurement of Voting Power

18:30–19:00 Discussion

20:00 Dinner

Monday 21 March

Voting Power Measurement: Extensions and Developments

Chair: Maurice Salles (University of Caen)

9:00–9:30

Życzkowski, Karol (Jagiellonian University, Kraków)

Square root voting system, optimal threshold and π

9:30–10:00

Winnicka, Justyna (Warsaw School of Economics)

Shapley index for games with r alternatives with a priori unions

10:00–10:30

Dennis Leach (University of Warwick) *Asymptotic behaviour of power indices*

10:30–11:00 Coffee Break

11:00–11:30

Kirsch, Werner

The fate of the square root law for correlated voting

11:30–12:00

Freixas, Josep (Polytechnic University of Catalonia)

Ordinal equivalence of power indices

12:00–12:30

Ekes, Maria (Warsaw School of Economics) *Banzhaf and Shapley indices in games with a coalition structure - a special case study*

12:30–14:00 Lunch

Voting Power Measurement: Probabilistic Approaches

Chair: Dennis Leech (University of Warwick)

14:00–14:30

Koriyama, Yukio (École Polytechnique, Paris)

Optimal Apportionment

14:30–15:00

Kaniovski, Serguei (Austrian Institute of Economic Research [WIFO])

Theorems for Exchangeable Binary Random Variables with Applications

15:00–15:30

Das, Sreejith (Birkbeck College, London) *An Analysis of the Intrinsic*

Differences Between the Commonly Applied Voting Power Techniques

15:30–16:00 Coffee Break

16:00–16:30

Beisbart, Claus (University of Dortmund) *Measurements of voting power and probability*

Reply to Papers and Discussion

Chair: Dennis Leech

16:30–17:00

Dan Felsenthal (LSE and University of Haifa) and Moshé Machover (LSE and King's College London)

Tuesday 22 March

Voting Power: Applications and Experiments

Chair: Maurice Salles (University of Caen)

9:00–9:30

Merlin, Vincent (University of Caen)

Fair apportionment in the Italian Senate: Which reform should be implemented?

9:30–10:00

Aleskerov, Fuad (National Research University Higher School of Economics, Moscow), *Power Distribution in the Weimar Reichstag in 1919-1933*

Voting Power Measurement: Deviations from Traditions

Chair: Maurice Salles

10:00–10:30

Napel, Stefan (University of Bayreuth)

Strategic vs Non-strategic Approaches to Power in Voting Bodies

10:30–11:00 Coffee Break

11:00–11:30

Miller, Nicholas (University of Maryland, Baltimore County)

A priori voting power when one vote counts in two ways with application to variants of the US electoral college

11:30–12:00

Maaser, Nicola (University of Bayreuth)

Designing decision rules in two-tier voting systems

Voting Power Measurement: Alternative Points of View

Chair: Rudolf Fara (LSE)

12:00–12:30

Steffen, Frank (University of Liverpool)

On the measurement of success and satisfaction

12:30–14:00 Lunch

14:00–14:30

Schmidtchen, Dieter (University of Saarland)

On the possibility of a preference-based power index – The strategic power index revisited

14:30–15:00

Nurmi, Hannu (University of Turku) *The keys may not be under the street lamp: aspects of power overlooked by power indices*

15:00–15:30

Montero, Maria (University of Nottingham)
An experimental market for votes

15:30–16:00 Coffee Break

16:00–16:30

Holler, Manfred (University of Hamburg)
Pathology or revelation? – The Public Good Index

Reply to Papers and Discussion

Chair: Rudolf Fara

16:30–17:00

Moshé Machover (LSE and King's College London) and Dan Felsenthal (LSE and University of Haifa)
