Interdisciplinary Analysis of Voting Rules



PROGRAM

July 8-12th 2014 MRSH UNIVERSITY OF CAEN BASSE-NORMANDY



COMMITTEES

ORGANISATION COMMITTEE

Pascal BULEON, Reserach Professor in Geography, CNRS, ESO and MRSH.

Annick LARUELLE, Research Professor in Economics, IKERBASQUE and University of the Basque Country.

Vincent MERLIN, Research Professor in Economics, CNRS and CREM.

Fabrice VALOGNES, Professor in Economics, Université de Caen Basse-Normandie and CREM.

SCIENTIFIC COMMITTEE

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ECOLE THÉMATIQUE CNRS – COST ACTION IC1205 SUMMER SCHOOL INTERDISCIPLINARY ANALYSIS OF VOTING RULES

Dear Participants

Welcome to the University of Caen Basse-Normandie !

The objective of the summer school "Interdisciplinary Analysis of Voting Rules" is to present to you, PhD students, post doctoral fellows and young researchers tools from political science, economics, experimental economics, game theory, computer science, mathematics, for the analysis of voting rules and electoral reforms. The summer school consists in seven courses of three hour each, and three research papers presentations. Moreover, 23 young scholars will have the opportunity to present their own works during poster sessions.

This project could not have been possible without the financial support of many sponsors: the association European Cooperation in Science and Technology, and in particular its COST action 1205 "Computational Social Choice", the French Centre National de la Recherche Scientifique (CNRS), the Center for Research in Economics and Management (CREM), the Maison de la Recherche en Sciences Humaines (MRSH), the University of Caen Basse Normandie and its faculty of Economics and Management, and the City of Caen.

We also own a debt to the administrative staff that helped us during the preparation of the summer school: Jacqueline Bassa (UNICAEN), Elisabeth Feret (MRSH), Anne Lacherez (MRSH), Patricia Leroy (MRSH), Ronald Minot (MRSH), Christelle Passera (MRSH), Aurélie Plisson (CNRS), Elven Priour (CREM) and Carole Zouaoui (CREM).

We truly hope that this summer school will give you many opportunities to discuss your researches and projects with the junior and senior participants during these five days in the (sometimes sunny) Normandy.

For the organization committee, Annick Laruelle and Vincent Merlin



LIST OF COURSES

- André Blais, Professor of Political Science, University of Montréal Types of Electoral Systems
- Annick Laruelle, Ikerbasque Research Professor in Economics, University of the Basque Country Dichotomous Collective Decision Making
- Hans Peters, Professor in Economics, University of Maastricht Social Choice Theory
- Piotr Faliszewski, Professor in Computer Science, AGH University, Krakow

Complexity of Voting Systems

- Jean François Laslier, Research Professor in Economics, CNRS and Paris School of Economics Experiments in Voting
- Nicolas Sauger, Research Professor in Political Science, Sciences Po Paris: Voting Rules and their Impact on Electoral Competition
- Andrea Scozzari, Professor of Mathematics and Operation Research, Università "Niccolò Cusano" Districting and Gerrymandering

PAPER PRESENTATIONS

- André Blais, Professor of Political Science, University of Montréal EuroVotePlus, an online experiments during the 2014 European Elections
- Michel Le Breton, Toulouse School of Economics and IUF Analyzing Mixed Voting Rules
- Jacques Traoré, Orange Labs An introduction to electronic voting, with an application to single tranferable vote



POSTER SESSION I

- Fatma Aslan: Monotonic extension of q-approval fallback bargaining. Joint with J. Lainé
- Agustin Casas: Ideological extremism and primaries
- Huihui Ding: A model of an incumbent's policymaking with conformism voters
- Nora Ibarzabal: Abstention, null and blank votes in the Basque Country. Joint with A. Laruelle
- Artyom Jelnov: Number of parties and existence of dominant parties. Joint with **B. Peleg**
- Daniel Karabekyan: Manipulability of Voting Rules for Impartial Anonymous Culture and Multiple Choice. Joint with F. Aleskerov, A. Ivanov and V. Yakuba
- Alexander Mayer: Codecision in context: Implications for the balance of power in the EU. Joint with N. Maaser
- Zephirin Nganmeni: Owen spatial power index: generalization to an arbitrary set of issues
- Ali Seyhun Saral: Algorithms for Computing Root Profiles
- Oliwia Szczupska: Normative Properties of Approval Voting An Experimental Approach
- Eric Kamwa: Scoring rules over subsets of alternatives : Consistency and Paradoxes. Joint with V. Merlin

POSTER SESSION II

- Marina Bannikova: Voting procedures with several stages
- Markus Brill: On the Axiomatic Characterization of Runoff Voting Rules. Joint with R. Freeman and V. Conitzer
- Maria Del Pino Ramos Sosa: Competition between ambiguous political parties. Joint with S. Puy
- François Durand: Making most voting systems meet the Condorcet criterion reduces their manipulability. Joint with F. Mathieu and L. Noirie
- Albin Erlanson: Strategy Proof Assignment of Divisible and Indivisible Ressources
- Teresa Gonzalez-Arteaga: Borda-type codification of complete preorders and Mahalanobis disconsensus measures with J.C.R. Alcantud and R. de Andrès Calle
- Alexander Ivanov: Coalitional Manipulability of Majority Relation-Based Social Choice Rules. Joint with F. Aleskerov, D. Karabekyan and V. Yakuba
- Abhinaba Lahiri: Locating Public Bads in Neighbouring Countries. Joint with H. Peters and T. Storcken
- Ilan Nehama: Approximately Classic Judgement Aggregation
- Gillian Salerno: Decision Cycles and Externalities
- Timothy Yeung: Legal Systems and Electoral Rules
- Faty Mbaye Top: Do Scoring Run-off Rules Escape from the Participation Paradoxes under Single Peaked preferences ? With
 E. Kamwa and V. Merlin



	TUESDAY 8	WEDNESDAY 9	THURSDAY 10	FRIDAY 11	SATURDAY 12
09:00	Registration/ Welcome	A. Laruelle (3)	P. Faliszewski (1)	JF. Laslier (1)	N. Sauger (3)
10:00	Break	Break	Break	Break	Break
10:10	A. Blais (1)	H. Peters (1)	P. Faliszewski (2)	JF. Laslier (2)	A. Scozzari (1)
11:10	Coffee	Coffee	Coffee	Coffee	Coffee
11:30	A. Blais (2)	H. Peters (2)	P. Faliszewski (3)	JF. Laslier (3)	A. Scozzari (2)
12:30	Lunch Time	Lunch Time	Lunch Time	Lunch Time	Lunch Time
14:30	A. Blais (3)	Poster Session (1)		N. Sauger (1)	Poster Session (2)
15:30	Break	Break		Break	Break
15:40	A. Laruelle (1)	H. Peters (3)	Free	N. Sauger (2)	A. Scozzari (3)
16:40	Coffee	Coffee	Afternoon	Coffee	Coffee
17:00	A. Laruelle (2)	Paper: M. Le Breton		Paper: J. Traoré	Paper: A. Blais
Events:	Welcome drinks		Gala Diner (19:30)		



LIST OF PARTICIPANTS

Alda Kabre (France) Hamzeh Arabzadeh (Belgium) Fatma Aslan (Turkey) Marina Bannikova (Spain) Nathanael Barrot (France) Markus Brill (USA) Jan Cameron (USA) **Agustin Casas (Spain)** Giulia Cesari (Italy) Pelin Pasin Cowley (Turkey) Maria del Pino Ramos (Spain) Lihi Dery (Israel) Huihui Ding (France) Papatya Duman (Turkey) **François Durand (France)** Albin Erlanson (Sweden) Patricia Esteve-Gonzalez (Spain) **Angelo Fanelli (France)** Teresa Gonzalez-Arteaga (Spain) Nora Ibarzabal (Spain) Alexander Ivanov (Russia) Smilka Janeska-Sarkanjac (Macedonia) Artyom Jelnov (Israel) Aaron Kamm (Netherlands) Daniel Karabekyan (Russia) **Eric Kamwa (France)** Mehmet Karakaya (Turkey) **Gulnur Kocapinar (Turkey)** Abhinaba Lahiri (Netherlands) Milena Lakicevic (Serbia) Yiming Liu (USA) Andrea Loreggia (Italy) Alexander Mayer (Germany) Maria Morandini (France)

Anna Moskalenko (Spain) Ilan Nehama (Israel) Zéphirin Nganmeni (France) Ali Ozkes (France) Josue Ortega (Austria) Arash Pourebrahimi (Netherlands) **Panos Protopapas (Switzherland)** Christian Reger (Germany) Ali Seyhun Saral (Turkey) Milos Savic (Serbia) Gilian Salerno (Ireland) Oliwia Szczupska (Poland) Faty Top (France) Alexander Voudouris (Greece) Yeung Timothy (France) Izaskun Zuazu (Spain) Thibault Vallée (France)





You can easily access the campus 1 and the university residency from the train station by taking any tramway (line A or B), going northbound. Please exit at "Université" station if you wish to reach the MRSH, and at "CROUS-SUAPS" if you wish to go the University residencies, on the upper part of the campus.

- **MRSH** (Building F, lower campus) : Registration, courses, posters sessions, coffee breaks, welcome drink.
- **2** Building E, upper Campus : reception of the university residency
- **Building H,** upper Campus : student's rooms.
- Parenthèse Cafétéria : breakfasts (tuesday to thursday).
- 5 Building RU B, upper campus : breakfasts (friday to sunday), lunches.
- 6 Basement of building D : free access computer rooms (from 9 am till 6 pm).
- **7** Building M : Jupiter and Venus computer rooms (for the experiments only).
- 8 The gala dinner will take place at "Café Mancel", inside the castle, located on the south side of the campus.

Organized by the Center for Research in Economics and Management (CREM) and the Maison de la Recherche en Sciences Humaines (MRSH) at the University of Caen Basse-Normandy. Sponsored by the CNRS and the COST action IC1205 "Computational Social Choice".

