

# Aggregation across disciplines: connections and frameworks

15 - 17 December 2021

Maison International de la Recherche  
CY Cergy Paris Université, Neuville-sur-Oise

Aggregation is a core concern in a variety of disciplines, including Voting, Judgement Aggregation, Belief Aggregation, Participatory Budgeting, and Representative Democracy. Within those fields, many aggregation procedures have been proposed, each with desirable and undesirable properties. This interdisciplinary workshop will seek insights, common themes and unifying principles across disciplines and across procedures.

## Speakers

- **Jiehua Chen** (TU Wien) *Computational Aspects of multiwinner approval voting via  $p$ -norm Hamming distance vectors*
- **Eric Danan** (CY Cergy Paris University) *Partial utilitarianism*
- **Franz Dietrich** (CNRS, CES and Paris School of Economics) *Does deliberation improve voting outcomes?*
- **Hayrullah Dindar** (TU Berlin) *Compromise in combinatorial domains*
- **Edith Elkind** (Oxford) *United for change: deliberative coalition formation to change the status quo*
- **Ulle Endriss** (University of Amsterdam) *Representation-faithful aggregation*
- **Piotr Faliszewski** (AGH University of Science and Technology, Kraków) *Map of elections: The story so far*
- **Marc Fleurbaey** (CNRS and Paris School of Economics) *The currency of aggregation*
- **Michel Grabisch** (CES and Paris School of Economics) *Aggregation based on Choquet integral and capacities*
- **Werner Kirsch** (FernUniversität, Hagen) *On fair division of power in two-tier voting systems*
- **Jean Lainé** (LIRSA, CNAM) *Vote swapping in multiwinner two-tiers elections*
- **Jérôme Lang** (LAMSADE, Université Paris Dauphine) *Serial dictatorship can be fair*
- **Rida Laraki** (LAMSADE, Université Paris Dauphine) *Level-strategyproof belief aggregation mechanisms*
- **Jean-François Laslier** (CNRS, PSE) *Political preference profiles around the world and the mechanical effects of voting rules*
- **Antonin Macé** (CNRS and PSE) *A model of repeated collective decisions*
- **Andrew Mackenzie** (Maastricht University) *Menu mechanisms*
- **Thierry Marchant** (Ghent University) *Voting theory, decision theory and multi-criteria decision analysis*
- **Vincent Merlin** (CNRS, U. Caen Normandie) *The probability of disputable outcomes under direct and indirect elections*
- **Stefan Napel** (Economics, Universität Bayreuth) *Influence and manipulation in weighted committee voting*
- **Gabriella Pigozzi** (LAMSADE, Université Paris Dauphine) *Spaces of argumentation and their interaction*
- **Xiangyu Qu** (CNRS and CES) *Deliberate social opinions and consistently utilitarian aggregation*
- **Agnieszka Rusinowska** (CNRS, CES and PSE) *The design of public debate in social networks*
- **Piotr Skowron** (University of Warsaw) *Proportional participatory budgeting with additive utilities*
- **Zoi Terzopoulou** (LAMSADE, U. Paris Dauphine) *Voting rules for approvals and rankings: Are they (in)compatible?*
- **Stéphane Zuber** (CNRS and PSE) *Foundations of utilitarianism under risk and variable population*

Everyone is welcome to attend the conference. There is no admission fee. Registration is required before December 5, for logistical purposes. For registration and more information, please consult the conference website:

<https://sites.google.com/view/december21/home>

## Organisers

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- *Coping with Heterogeneous Opinions* (CHOp) (ANR-17-CE26-0003)
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