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Economic Theory · Game Theory · Social Choice · Collective Decision-Making

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I) Research

1) Publications

1. **Filters in abstract aggregation with infinite sequences of signals**, Susumu Cato, Stéphane Gonzalez, Eric Rémila, Philippe Solal, Mathematical Social Sciences, 2026.
2. [An axiomatic characterization of the proportional threshold methods: A geometric approach](#), Susumu Cato, Stéphane Gonzalez, Eric Rémila, Philippe Solal, Social Choice and Welfare, 2026, Volume 66, 619-645.
3. [Axiomatization and Implementation via Objections Structures](#), Aymeric Lardon, Stéphane Gonzalez, Theory and Decision, 2025, Volume 99, 393-405.
4. [A Story of Consistency: Bridging the gap between Bentham and Rawls foundations](#), Stéphane Gonzalez, Nikolaos Pnevmatikos, Synthese, June 2024, Volume 203, article 208.
5. [Axiomatic characterizations of the core without consistency](#), Sylvain Béal, Stéphane Gonzalez, Philippe Solal, Peter Sudhölter, International Journal of Game Theory, September 2023, Volume 53(3), 687-701.
6. [Sharing the Global Outcomes of Finite Natural Resource Exploitation: A Dynamic Coalitional Stability Perspective](#), Stéphane Gonzalez, Fatma Zahra Rostom, Mathematical Social Sciences, September 2022, Volume 119, 1-10.
7. [Axiomatic foundations of the core for games in effectiveness form](#), Stéphane Gonzalez, Aymeric Lardon, Mathematical Social Sciences, November 2021, Volume 114, 28-38.
8. [Approval voting without ballot restrictions](#), Federica Ceron, Stéphane Gonzalez, Theoretical Economics, July 2021, Volume 16(3), 759-775.
9. [INFLUENCE: A partizan scoring game on graphs](#), Eric Duchêne, Stéphane Gonzalez, Aline Parreau, Eric Rémila, Philippe Solal, Theoretical Computer Science, July 2021, Volumes 878-879, 26-46.
10. [Dilemma with approval and disapproval votes](#), Stéphane Gonzalez, Annick Laruelle, Philippe Solal, Social Choice and Welfare, August 2019, Volume 53(3), 497-517.
11. [The social cost problem, rights and the \(non\)empty core](#), Stéphane Gonzalez, Alain Marciano, Philippe Solal, Journal of Public Economic Theory, April 2019, Volume 21(2), 347-365.
12. [Optimal deterrence of cooperation](#), Stéphane Gonzalez, Aymeric Lardon, International Journal of Game Theory, March 2018, Volume 47(1), 207-227.
13. [De nouveaux éclairages sur le théorème de Coase et la vacuité du cœur à trois joueurs](#), Stéphane Gonzalez, Alain Marciano, Revue d'économie politique, September 2017, Volume 127(4), 579-600.

14. [Multicoalitional solutions](#), Stéphane Gonzalez, Michel Grabisch, Journal of Mathematical Economics, May 2016, Volume 64, 1-10.
15. [Autonomous coalitions](#), Stéphane Gonzalez, Michel Grabisch, Annals of Operations Research, December 2015, Volume 235(1), 301-317.
16. [Preserving coalitional rationality for non-balanced games](#), Stéphane Gonzalez, Michel Grabisch, International Journal of Game Theory, August 2015, Volume 44(3), 733-760.

2) Working Papers

1. **Approval Voting with Fixed Electorates, Fixed Agendas and No Ballot Assumptions**, Raffaele Berzi, Stéphane Gonzalez. [\[HAL\]](#)
2. **Consistency in collective decision-making under uncertainty: an axiomatic approach**, Stéphane Gonzalez, Le-Nhat-Linh Huynh. [\[Working paper\]](#)
3. **An Axiomatic Characterization of the Knapsack Budget Allocation Rule**, Federica Ceron, Stéphane Gonzalez, Adriana Navarro Ramos.
4. **Approval voting versus proportional threshold methods: so far and yet so near**, Susumu Cato, Stéphane Gonzalez, Eric Rémila, Philippe Solal.

3) PhD Supervision

1. [David Lowing](#), PhD defended in 2022, currently Assistant Professor of Economics at École normale supérieure de Rennes; research fellow at CREM and CRESE. [website]
2. [Kevin Techer](#), PhD defended in 2022, currently Assistant Professor at Université de Franche-Comté.
3. [Le-Nhat-Linh Huynh](#), PhD candidate under my supervision at Université Jean Monnet; entering the third year of the PhD in October 2026.

4) Editorial and Scientific Service

Editorial responsibility. Coordinating Editor, Theory and Decision, since 2025.

Referee for: Annals of Operations Research; Economic Theory; Economics Letters; Games and Economic Behavior; International Journal of Approximate Reasoning; International Journal of Game Theory; International Review of Law & Economics; Journal of Mathematical Economics; Journal of Public Economic Theory; Mathematics and Computers in Simulation; Mathematical Social Sciences; Operations Research Letters; Quarterly Review of Economics and Finance; RAIRO-Operations Research; Review of Economic Design; Revue d'Economie Politique; Theoretical Economics.

Scientific expertise. External evaluation for the Comité Consultatif Régional de la Recherche et du Développement Technologique de Nouvelle-Aquitaine.

PhD Thesis Examination and Reviewing

1. Xiuxia Yin, "Egalitarianism in Resource Allocation Problems: An Axiomatic Approach", Universitat de Barcelona - reviewer; defense scheduled for September 25, 2026.
2. Mohamed Bouchta, "Essays in Game Theory: Implementation in Strong Nash Equilibrium and Applications to Allocation Problems", INSEA, Rabat - reviewer; defended April 17, 2026.
3. Badr Bahloul, "Strategic-candidacy in Multi-winner Elections: Insights into Electoral System Design", INSEA, Rabat - Chair of the PhD examination committee; defended April 16, 2026.
4. Gubong Gassi Takoulo Clinton, "Approches multiples à l'analyse de la sélection d'un comité", Université de Franche-Comté - reviewer, 2024.
5. François Doyelle, "Extensions du cœur dans les jeux coopératifs, et enchères bruitées avec possibilité de revente", Université Paris-Panthéon-Assas - reviewer; defended July 1, 2024.

5) Scientific Organization

1. Co-organizer of the 19th Meeting of the Society for Social Choice and Welfare (SSCW 2028), Université Lumière Lyon 2, Lyon, France, 2028. [\[link\]](#)
2. Member of the Scientific Committee of the France-Spain Meeting on Microeconomic Theory. [\[link\]](#)
3. Co-organizer of the Workshop in Economic Theory, Saint-Étienne, France, September 8, 2026. [\[link\]](#)
4. Co-organizer with Federica Ceron of the session “Axiomatization in Economic Theory” at the SAET Conference, Ischia, Italy, 2025. [\[link\]](#)
5. Organizer, with Federica Ceron as co-organizer, of two sessions “Axiomatizations in Economic Theory” at SAET, Santiago, Chile, January 8-11, 2024. [\[link\]](#)
6. Organizer of one session “Axiomatization in Economic Theory” at SAET, Paris, July 17-21, 2023. [\[link\]](#)
7. Co-organizer with Eric Rémila of GO22, Saint-Étienne, April 14-15, 2022. [\[link\]](#)
8. Member of the Scientific Committee of the ADRES Conference, 2020-2023.
9. Co-organizer of INDEPTH #1 - Institutional Design and Economic Preferences: Theory and Experiments, Saint-Étienne, March 28-29, 2019. [\[link\]](#)
10. Member of the organizing committee of Journées SDA2, Saint-Étienne, July 2018.
11. Organizer of MARS - Measures, Axioms, Rights and Stability in Coalitions and Networks, Saint-Étienne, March 22-23, 2017.
12. Co-organizer of “Faire de la politique autrement ? Théorie et pratique du choix social”, Saint-Étienne, April 27-28, 2017.
13. Co-organizer of Games and Optimization, Saint-Étienne, November 21-22, 2017.

6) Research Projects, Grants and Awards

Competitive and collaborative research projects, followed by individual awards.

1. Member of PEPR CONDORCET.
2. Member of the ANR CITIZENS project, coordinated by Sonia Paty, 2023-2026, €365,000.
3. Contributor to the “Innovation & Recherche UJM, Budget Participatif” project hosted by GATE Lyon Saint-Etienne, €120,000.
4. Recipient of the individual component of RIPEC, awarded in 2025.
5. Recipient of the PEDR research and doctoral supervision award, 2021-2025.
6. Coordinator of the UJM 2020 Research Support project CABUPA, €2,000.
7. Member of the INDEPTH project (Institutional Design and Economic Preferences: Theory and Experiments), IDEX Lyon, 2018-2020, over €750,000.
8. PALSE Impulsion Award 2016-2017; coordinator of the corresponding ANR-11-IDEX-0007 project, €33,600.
9. Member of the MODMAD research federation since 2016.
10. Member of the ANR DynaMITE project - Dynamic Matching and Interactions: Theory and Experiments, 2014-2018.

7) International Conference Presentations

1. SING 21 (Naples, Italy, 2026)
2. SSCW 18 (Tokyo, Japan, 2026)
3. ASSET (Rabat, Morocco, 2025)
4. SAET 24 (Ischia, Italy, 2025)
5. SING 20 (Maastricht, Netherlands, 2025)

6. SING 19 (Besançon, France, 2024)
7. SSCW 17 (Paris, France, 2024)
8. PET 2024 (Lyon, France, 2024)
9. SAET 23 (Santiago, Chile, 2024)
10. SAET 22 (Paris, France, 2023)
11. EURO OR 2022 (Espoo, Finland, 2022)
12. EURO OR 2021 (Athens, virtual, Greece, 2021)
13. PET (Strasbourg, France, 2019)
14. SAET 19 (Ischia, Italy, 2019)
15. CESC 2 (Barcelona, Spain, 2019)
16. SING 14 (Bayreuth, Germany, 2018)
17. EURO 2018 - ECOR 29 (Valencia, Spain, 2018)
18. Paris Symposium on Games 2018 (Paris, France, 2018)
19. PET (Paris, France, 2017)
20. SAET 17 (Faro, Portugal, 2017)
21. Journées LAGV (Aix-en-Provence, France, 2017)
22. CESC (Barcelona, Spain, 2017)
23. SING 12 (Odense, Denmark, 2016)
24. EURO 2016 - ECOR 28 (Poznan, Poland, 2016)
25. SSCW 13 (Lund, Sweden, 2016)
26. SING 11 (St-Petersburg, Russia, 2015)
27. SING 10 (Krakow, Poland, 2014)
28. SAET 13 (Paris, France, 2013)
29. SING 9 (Vigo, Spain, 2013)
30. SING 8 (Budapest, Hungary, 2012)
31. SING 7 (Paris, France, 2011)

8) Invited Seminars, Workshops and Conferences

1. GRC Game Theory Workshop, Waseda University (Tokyo, Japan, 2026).
2. Economics and Game Theory Seminar, Tokyo University of Science (Tokyo, Japan, 2026).
3. Game Theory, Social Choice, and Mechanism Design, INSEA (Rabat, Morocco, 2026).
4. AGATE Seminar, Charles University (Prague, Czech Republic, 2026).
5. OSGAD 18, in honor of Michel Grabisch (Paris, France, 2025).
6. Game Theory Workshop in Honour of Peter Sudhölter, Universitat Rovira i Virgili (Spain, 2025).
7. Economics Seminar, Bielefeld University (Bielefeld, Germany, 2025).
8. OSGAD 17 (Paris, France, 2024)
9. GT Économie Comportementale (Université Paris Nanterre, France, 2024)
10. Participatory Budgeting Workshop (Paris School of Economics, France, 2024)
11. Amsterdam/Saint-Etienne Workshop on Social Choice (Saint-Etienne, France, 2024)
12. 2nd UB Workshop on Game Theory (Barcelona, Spain, 2023)
13. Online Social Choice and Welfare Seminar (Online, 2023)
14. XXXI European Workshop on Economic Theory - EWET (Naples, Italy, 2023)
15. CO2ERASE (University Paris Dauphine, France, 2023)
16. Workshop on Collective Decisions: Current Trends (Granada, Spain, 2023)
17. Seminar of Economics and Management (University of Paderborn, Germany, 2023)
18. Economic Theory Seminar (CES, Paris, France, 2023)

19. Interaction Seminar (AMSE, Marseille, France, 2022)
20. Workshop GDR-Jeux cooperative models in games and social choice (CRESE, Besançon, France, 2022)
21. Game Theory Seminar (University of Barcelona, Spain, 2022)
22. MDOD Seminar (Paris 1, France, 2021)
23. Séminaire du CRESE (Besançon, France, 2020)
24. LEM Seminar (Lille, France, 2020)
25. LED Seminar (Paris 8, France, 2019)
26. MRE Seminar (Montpellier, France, 2019)
27. Paris Symposium on Games 2018 (Paris, France, 2018)
28. Symposium “Mathematics and Politics: Democratic Decision Making” (Hannover, Germany, 2018)
29. Game Theory Seminars, University of the Basque Country (Bilbao, Spain, 2018)
30. CES Economic Theory Seminar, Paris 1 (Paris, France, 2018)
31. Séminaire du BETA (Nancy, France, 2018)
32. OSGAD 11 (Paris, France, 2017)
33. Axiomatizations in Game Theory (Pécs, Hungary, 2017)
34. Workshop MARS (Saint-Etienne, France, 2017)
35. Workshop Causation and Responsibility: Law, Economics, Philosophy (Nancy, France, 2016)
36. Séminaire du GATE-LSE (Lyon, France, 2016)
37. ADRES (Paris, France, 2015)
38. CEREC Workshop in Economics (Brussels, Belgium, 2014)
39. QED (Vienna, Austria, 2013)
40. MINT 4 (Amsterdam, Netherlands, 2013)
41. Séminaire du laboratoire EQUIPPE (Lille, France, 2013)
42. Parisian Game Theory PhD Seminar de l'IHP (Paris, France, 2013)
43. PSE Seminar in Economic Theory (Paris, France, 2013)
44. OWL Workshop “Markets, Games, and Design” MGD12 (Paderborn, Germany, 2012)
45. EBIM Networks Workshop (Bielefeld, Germany, 2012)
46. OSGAD 5 (Paris, France, 2011)

9) Research Visits

1. University of Barcelona, Marina Nunez (2022)
2. University of the Basque Country, Annick Laruelle (2018)
3. University of Barcelona, Pedro Calleja (2017)
4. University of Washington, Camelia Bejan and Juan Camilo Gomez (2017)
5. University of Bielefeld, Walter Trockel (2012)

10) Research Outreach and Partnerships

2024: Co-organizer of a one-day event on artificial intelligence for local-government officials in the Auvergne-Rhône-Alpes region (approximately 300 participants expected); led a workshop on AI and public decision-making.

2020-2022: Partnership with GRDF through a CIFRE doctoral contract on gas-pricing issues.

2017: Co-organizer with Mostapha Diss and Antoinette Baujard of “Faire de la politique autrement ? Théorie et pratique du choix social”, combining an academic workshop and public outreach.

II) Academic and Administrative Responsibilities

1. Since 2025. Deputy Director of GATE Lyon Saint-Etienne and Head of the Saint-Etienne site.
2. Since 2024. Member of the Council of the Saint-Etienne School of Economics.
3. 2023-2024. Founder and Academic Director of the continuing-education module “Artificial Intelligence: Challenges, Opportunities and Practical Applications”.
4. 2023. Member of a recruitment and evaluation committee for an Assistant Professor position at Université Nice Sophia Antipolis.
5. Since 2021. Member of the GATE Lyon Saint-Etienne Laboratory Council.
6. 2021-2024. Founder and Academic Director of the Master 2 in Political Engineering.
7. 2020-2024. Academic Director of the Master 1 in Economic Analysis and Policy.
8. 2021-2024. Founder and Academic Director of the University Diploma in Introduction to Political Engineering.
9. 2021. Member of a recruitment and evaluation committee for an Assistant Professor position at Université Paris 1 Panthéon-Sorbonne.
10. 2019-2022. Co-director of the University Diploma in Political Science and Economics, in partnership with Sciences Po Lyon.
11. 2019. Chair of a recruitment and evaluation committee for an Assistant Professor position at Université Jean Monnet.
12. 2018-2020. Head of the Economics major in the Bachelor's program at IAE Saint-Etienne.
13. 2018-2020. Coordinator between IAE Saint-Etienne and École des Mines de Saint-Etienne.
14. 2017. Member of a recruitment and evaluation committee for an Assistant Professor position at Université de Lorraine.
15. 2016-2021. Head of the Economics major in the AlterEurope Master's program.
16. 2015-2021. Member of the Board of IAE Saint-Etienne.

III) Education

1. Habilitation to Supervise Research (HDR), Université Jean Monnet. Dissertation: “Contribution à la théorie des choix collectifs”.
2. PhD in Economics, Université Paris 1 Panthéon-Sorbonne - Centre d'Économie de la Sorbonne / Paris School of Economics. Dissertation: “Contribution to cooperative game theory: Methods for preserving coalitional rationality for non-balanced games and applications in Economy”.
3. Master 2, Université Paris 1 Panthéon-Sorbonne, Mathematical Methods and Models for Economy and Finance.
4. Master 1 in Pure Mathematics, Université Paris-Saclay.