

Curriculum Vitae

YVES SPRUMONT

Personal data

Département de Sciences Économiques
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Belgian and Canadian
Married, two children

Education

Ph.D. in Economics, Virginia Polytechnic Institute, Blacksburg, USA (1986-1990), dissertation: “Three essays in collective choice theory”, advisor: H. Moulin.

B.Sc. in Economics, Facultés N-D de la Paix, Namur, Belgium (1978-1983), thesis: “Modèles sectoriels d'équilibre à prix fixes”, advisors: R. Deschamps and L. Gevers, prize of the Belgian Institute for Public Finance, 1985.

Appointments and visiting positions

Professor (since 2002), associate professor (1996-2002), and assistant professor (1990-1996), Département de Sciences Économiques, C.R.D.E., and CIREQ, Université de Montréal.

Visiting fellow, Université d'Aix-Marseille (March 2015 and May-June 1993), Indian Statistical Institute (August 2010-June 2011), Universitat Autònoma de Barcelona (August 2003-July 2004 and February-July 1994), Université de Cergy-Pontoise (May 2000), Northwestern University (January-July 1997), Tilburg University (October-December 1996), University of Rochester (May 1995).

Instructor, Virginia Polytechnic Institute (Summers 1988 and 1989), Research and teaching assistant, Facultés N-D de la Paix (1983-1984 and 1986).

Military Service (1985).

Teaching and supervising

Courses taught: undergraduate and graduate microeconomics, public economics, mathematics for economists, game theory, social choice.

Ph.D. students: E. Bahel (Ph.D. 2009, assistant professor at Virginia Tech), C. Trudeau (Ph.D. 2009, assistant professor at the University of Windsor), Y. Wang (Ph.D. 2000, associate professor at the University of Windsor), S. Ambec (Ph.D. 1999, associate professor at the Université de Toulouse).

Director of Graduate Studies, 1998-2000.

Awards and distinctions

Recipient of the 2015 Marcel Dagenais Prize (awarded every three years by the Société Canadienne de Science Économique for outstanding research contributions in the recent past).

Recipient of the 2012 John Rae Prize (awarded every two years by the Canadian Economic Association for outstanding research contributions in the recent past).

Fellow of the Society for the Advancement of Economic Theory (since 2011).

Charter Member of the Game Theory Society.

Responsibilities and services

Associate editor of *Theoretical Economics* (since 2016), *Journal of Economic Theory* (since 2013), *Games and Economic Behavior* (2002-2013), *Mathematical Social Sciences* (1998-2013), and *Social Choice and Welfare* (1997-2013).

Council Member of the Society for Social Choice and Welfare (2000-2004 and 2010-2014).

Referee for *Actualité Économique*, *American Economic Review*, *Annals of Operations Research*, *B.E. Journal of Theoretical Economics*, *Canadian Journal of Economics*, *Econometrica*, *Economic Design*, *Economics Letters*, *Economic Theory*, *European Journal of Operational Research*, *Games and Economic Behavior*, *International Game Theory Review*, *International Journal of Game Theory*, *Japanese Economic Review*, *Journal of Economic Theory*, *Journal of Environmental Economics and Management*, *Journal of the European Economic Association*, *Journal of Mathematical Economics*, *Journal of Public Economics*, *Journal of Public Economic Theory*, *Mathematical Social Sciences*, *Mathematics of Operations Research*, *Review of Economic Design*, *Review of Economic Studies*, *Revue Économique*, *Scandinavian Journal of Economics*, *Social Choice and Welfare*, *Theoretical Economics*, *Theory and Decision*.

Reviewer for *Cambridge University Press*, *MIT Press*, and for *National Science Foundation (NSF, USA)*, *European Science Foundation (ESF, Europe)*, *Social Sciences and Humanities Research Council (SSHRC, Canada)*, *Fonds pour la Formation de Chercheurs et l'Aide à la Recherche (FCAR, Québec)*.

Member of the *Social Sciences and Humanities Research Council* research grants adjudication committee, 1999.

Co-organizer of the 10th meeting of the Society for Social Choice and Welfare, Montreal 2008; co-organizer of the workshop on intertemporal resource allocation, Montreal 2006; co-organizer of the 26th Canadian economic theory meetings, Montreal 2001; organizer of the 1st international conference on the axiomatics of resource allocation, Montreal, 1996; co-organizer of the 17th Canadian economic theory meetings, Montreal, 1992.

Plenary speaker at 25th European Workshop on General Equilibrium Theory in Glasgow (2016), invited lecturer at the 2006 Canadian Economics Association meetings in Montreal, the 1999 Summer School on axiomatic allocation theory in Namur; the 1998 Pacific Institute for the Mathematical Sciences Workshops in Vancouver; the 1997 NATO Advanced Institute in Stony Brook.

Grants

FQRSC four-year team research grant in 2016, 2012, 2008.

SSHRC three-year research grants in 2007, 2004 (with W. Bossert), 2001 (with W. Bossert), 1998, and 1994.

Spanish ministry of education research grant in 2003.

FCAR three-year team research grants in 2001, 1994, and 1991.

SSHRC conference grants in 1996 and 1992.

European Community HCM fellowship in 1994.

Publications and accepted manuscripts

Ranking by Rating, forthcoming in *Theoretical Economics*.

Welfare criteria from choice: an axiomatic analysis (with S. Horan), *Games and Economic Behavior* **99** (2016), 56-70.

Ordinally consistent set-ranking methods for tournaments, *Economics Letters* **145** (2016), 41-44.

Size invariant measures of association: characterization and difficulties (with M. Negri), *Mathematical Social Sciences* **75** (2015), 115-122.

Strategy-proof preference aggregation: possibilities and characterizations (with W. Bossert), *Games and Economic Behavior* **85** (2014), 109-126.

Every choice function is backwards-induction rationalizable (with W. Bossert), *Econometrica* **81** (2013), 2521-2534.

Constrained-optimal strategy-proof assignment: beyond the Groves mechanisms, *Journal of Economic Theory* **148** (2013), 1102-1121.

On relative egalitarianism, *Social Choice and Welfare* **40** (2013), 1015-1032.

Resource egalitarianism with a dash of efficiency, *Journal of Economic Theory* **147** (2012), 1602-1613.

An axiomatization of the serial cost-sharing method, *Econometrica* **78** (2010), 1711-1748.

Infinite-horizon choice functions (with G. Asheim, W. Bossert, and K. Suzumura), *Economic Theory* **43** (2010), 1-21.

- Sharing the cost of a public good: an incentive-constrained axiomatic approach (with F. Maniquet), *Games and Economic Behavior* **68** (2010), 275-302.
- Sharing the cost of a public good without subsidies (with M. Fleurbaey), *Journal of Public Economic Theory* **11** (2009), 1-8.
- Non-deteriorating choice (with W. Bossert), *Economica* **76** (2009), 337-363.
- Nearly serial sharing methods, *International Journal of Game Theory* **37** (2008), 155-184.
- Weakened WARP and top-cycle choice rules (with L. Ehlers), *Journal of Mathematical Economics* **44** (2008), 87-94.
- Monotonicity and solidarity axioms in economics and game theory, in P. Pattanaik et al. (eds.) "Rational Choice and Social Welfare," *Studies in Choice and Welfare*, Springer (2008), 71-94.
- Ordering infinite utility streams (with W. Bossert and K. Suzumura), *Journal of Economic Theory* **135** (2007), 579-589.
- Fair allocation of production externalities: recent results (with H. Moulin), *Revue d'Économie Politique* **117** (2007), 7-37.
- Rationalizability of choice functions on general domains without full transitivity (with W. Bossert and K. Suzumura), *Social Choice and Welfare* **27** (2006), 435-458.
- Responsibility and cross-subsidization in cost sharing (with H. Moulin), *Games and Economic Behavior* **55** (2006), 152-188.
- On the discrete version of the Aumann-Shapley cost-sharing method, *Econometrica* **73** (2005), 1693-1712.
- On demand responsiveness in additive cost sharing (with H. Moulin), *Journal of Economic Theory* **125** (2005), 1-35.
- Maximal-element rationalizability (with W. Bossert and K. Suzumura), *Theory and Decision* **58** (2005), 325-350.
- Consistent rationalizability (with W. Bossert and K. Suzumura), *Economica* **72** (2005), 185-200.
- Welfare egalitarianism in non-rival environments (with F. Maniquet), *Journal of Economic Theory* **120** (2005), 155-174.
- Fair production and allocation of an excludable nonrival good (with F. Maniquet), *Econometrica* **72** (2004), 627-640.
- What is a commodity? Two axiomatic answers, *Economic Theory* **23** (2004), 429-437.
- Efficient and non-deteriorating choice (with W. Bossert), *Mathematical Social Sciences* **45** (2003), 131-142.
- Sharing a river (with S. Ambec), *Journal of Economic Theory* **107** (2002), 453-462.

Upper-semicontinuous extensions of binary relations (with W. Bossert and K. Suzumura), *Journal of Mathematical Economics* **37** (2002), 231-246.

Core rationalizability in two-agent exchange economies (with W. Bossert), *Economic Theory* **20** (2002), 777-791.

Sharing the cost of a network: core and core allocations (with M. Koster, E. Molina, and S. Tijs), *International Journal of Game Theory* **30** (2001), 567-599.

Paretian quasi-orders: the regular two-agent case, *Journal of Economic Theory* **101** (2001), 437-456.

Coherent cost sharing, *Games and Economic Behavior* **33** (2000), 126-144.

On the testable implications of collective choice theories, *Journal of Economic Theory* **93** (2000), 205-232.

On resource monotonicity in the fair division problem (with F. Maniquet), *Economics Letters* **68** (2000), 299-302.

A note on ordinally equivalent Pareto surfaces, *Journal of Mathematical Economics* **34** (2000), 27-38.

Efficient strategy-proof allocation functions in linear production economies (with F. Maniquet), *Economic Theory* **14** (1999), 583-596.

Pazner-Schmeidler rules in large societies (with L. Zhou), *Journal of Mathematical Economics* **31** (1999), 321-339.

Equal factor equivalence in economies with multiple public goods, *Social Choice and Welfare* **15** (1998), 543-558.

Ordinal cost sharing, *Journal of Economic Theory* **81** (1998), 126-162.

Balanced egalitarian redistribution of income, *Mathematical Social Sciences* **33** (1997), 185-201.

On the game-theoretic structure of public-good economies, *International Journal of Game Theory* **26** (1997), 455-472.

Axiomatizing ordinal welfare egalitarianism when preferences may vary, *Journal of Economic Theory* **68** (1996), 77-110.

A note on strategyproofness in Edgeworth-box economies, *Economics Letters* **49** (1995), 45-50.

Strategyproof collective choice in economic and political environments, *Canadian Journal of Economics* **28** (1995), 68-107.

Intermediate preferences and Rawlsian arbitration rules, *Social Choice and Welfare* **10** (1993), 1-15.

The division problem with single-peaked preferences: a characterization of the uniform allocation rule, *Econometrica* **59** (1991), 509-519.

Population monotonic allocation schemes for cooperative games with transferable utility, *Games and Economic Behavior* **2** (1990), 378-394.

Multiplicateur keynésien et interdépendance des secteurs de production, *Annales de l'INSEE* **57** (1985), 27-50.

Discussion papers and work in progress

Strategy-proof choice of acts: a preliminary study, CIREQ Discussion Paper (2016).

Strategy-proof choice of acts (with E. Bahel), work in progress.

Aggregating choice functions (with S. Barberà and W. Bossert), work in progress.

Constrained-optimal strategy-proof public decision making (with E. Athanasiou and G. Valletta), work in progress.

Comparative Rationality, work in progress.