
Département d'économie appliquée, HEC Montréal,
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Born: 1978, France.

Citizenships: Canada/France/US

POSITIONS

June 2010-present: Associate Professor. Department of Applied Economics, HEC Montréal
2005 - May 2010: Assistant Professor. Department of Applied Economics, HEC Montréal

2017 – present: Associate member of GREQAM
2017 – present: Commissioner, Canada's Ecofiscal Commission (ecofiscal.ca)
2014 – present: Member of the International Panel on Social Progress (IPSP.org)
2012 – present: Member of the Centre de Recherche en éthique (CRÉ)
2007 – present: Fellow at CIRANO

EDUCATION

2010: Laureate of the Nationwide French competition for tenured professorship in Economics: « Premier concours national d'agrégation des universités en sciences économiques. »
2005: Ph.D. in Economics, Rice University.

RESEARCH INTERESTS

Distributive Justice, Environmental Issues, Cost Sharing.

REFEREED PUBLICATIONS IN ACADEMIC JOURNALS

- 1) Leroux, J. and D. Spiro, 2018, "Leading the unwilling: Unilateral strategies to prevent arctic oil exploration," *Resources and Energy Economics*, vol. 54, 125-149.
- 2) Antenord, J.-B., E. Billette de Villemeur and J. Leroux, 2017, "Arroser : un premier pas... pour sortir de l'insécurité alimentaire," *Haiti Perspectives* **vol. 5(4)**, p. 31-41.
- 3) Billette de Villemeur, E. and J. Leroux, 2016, "Politiques climatiques : cessons de vouloir payer pour esquiver nos responsabilités !" *Revue française d'économie*, **31(3)**, 159-175.
- 4) Lanoie, P., J. Leroux and X. Mercier, « Costs and Benefits of Quebec's Drive Electric Program », *Canadian Public Policy/Analyse de politiques*, **41(4)**, 281-296, Dec. 2015.
- 5) Billette de Villemeur, E., Leroux, J. and B. Paul, « La tarification de l'eau : un outil pour réduire les inégalités et inciter à la maintenance du réseau, » *Haiti Perspectives*, **Vol. 3 no.1**, Spring 2014.

- 6) Billette de Villemeur, E. and J. Leroux, « Tarifier l'eau de manière équitable : Un défi pour les mathématiciens », *Bulletin AMQ*, **Vol. LIII, no. 2**, 79-89, mai 2013.
- 7) Leroux, J. and W. Marrouch, "Bargaining with Linked Disagreement Points", *Strategic Behavior and the Environment*, **2**, 259-277, 2012.
- 8) Leroux, J., J. Rizzo and R. Sickles, "The role of self-reporting bias in health, mental health and labor force participation: a descriptive analysis", *Empirical Economics*, **43**, 525-536, 2012.
- 9) Billette de Villemeur, E. and J. Leroux, "Sharing the costs of global warming", *Scandinavian Journal of Economics*, **113 (4)**, 758-783, 2011. Special Issue: "Climate Change and Distribution".
- 10) Gugl, E. and J. Leroux, "Share the gain, share the pain? Almost transferable utility, changes in production possibilities and bargaining solutions", *Math. Soc. Sciences*, **62**, 133-143, 2011.
- 11) Laurent-Lucchetti, J. and J. Leroux, "Choosing and Sharing", *Games and Economic Behavior*, **73(1)**, 296-300, 2011.
- 12) Laurent-Lucchetti, J. and J. Leroux, "Lindahl prices solve the NIMBY problem", *Economics Bulletin*, **30 (3)**, 2010.
- 13) Albizuri, J., J. Leroux and J.M. Zarzuelo, "Updating claims in bankruptcy problems", *Mathematical Social Sciences*, **60**, 144-148, 2010.
- 14) Guégan, D. and J. Leroux, "Forecasting Chaotic Time Series: The Role of Local Lyapunov Exponents," *Chaos, Solitons and Fractals* **41**, 2001-2004, 2009.
- 15) Leroux, J. "Profit sharing in unique Nash equilibrium: characterization in the two-agent case", *Games and Economic Behavior* **62**, 558-572, 2008.
- 16) Leroux, J. "Cooperative production with diminishing marginal returns: Interpreting fixed-path methods", *Social Choice and Welfare* **29**, 35-53, 2007
- 17) "Strategy-proofness and efficiency are incompatible in production economies," *Economics Letters* **85**, 335-340, 2004
- 18) "Fair division with no information," with Alain Leroux, *Economic Theory* **24**, 351-371, 2004

BOOK CHAPTERS

- 1) Leroux, J. « Réparer les fuites ou préparer la suite ? Pour un financement plus équitable des services d'eau au Québec », in *Le Québec économique 2019*, M. Joanis et B. Sinclair-Desgagné Eds., forthcoming.
- 2) Leroux, J. and E. Billette de Villemeur, "Camels, Dummy, and the importance of context", in *The Future of Economic Design*, Laslier, Moulin, Sanver Eds., forthcoming.

- 3) Laurent-Lucchetti, J., J. Leroux and B. Sinclair-Desgagné, "Haggling on the Verge of Disaster", *Analyzing Global Environmental Issues: Theoretical and Experimental Applications and their Policy Implications*, A. Dinar and A. Rapoport Eds. Routledge, 2013.
- 4) Guégan, D. and J. Leroux "Predicting Chaos with Lyapunov Exponents: Zero Plays no Role in Forecasting Chaotic Systems" *Chaotic Systems*, E. Tlelo-Cuautle Ed., 2011.
- 5) Leroux, J. « Vers une meilleure tarification du réseau routier québécois », dans *Le Québec économique 2010*, M. Joanis et L. Godbout Eds., CIRANO, Presses de l'Université Laval, 2010.
- 6) Leroux, A. and J. Leroux, "ELIE-minating poverty? Limits of the mechanism and potential improvements," in *Macrojustice. A Pluridisciplinary Appraisal of Kolm's Theory*, Gamel C. and Lubrano M. (eds), Springer-Verlag, Berlin, 2010.
- 7) Leroux, A. and J. Leroux, "L'allocation personnelle : Une nouvelle approche de l'assistance, entre solidarité et entraide," *La pauvreté dans les pays riches*, A. Leroux et P. Livet (eds), Economica, 2009, 363-378.
- 8) Guégan, D. and J. Leroux, "Local Lyapunov Exponents: A New Way to Predict Chaotic Systems," *Topics on Chaotic Systems: Selected papers from CHAOS 2008 International Conference*, Skiadas, Dimotikalis and Skiadas Eds., World Scientific Publishing, 2009.

REFEREED PUBLICATIONS IN PROFESSIONAL JOURNALS

- 1) Vidal, J.-P., Larocque, D., and J. Leroux, « Base Erosion and Profit Shifting : Reliability and the Future of Transfer Pricing Methods, » *International Transfer Pricing Journal*, **Vol. 33, no.2**, 243-274, Nov/Dec 2014.
- 2) Larocque, D., J. Leroux and J.-P. Vidal, « Incidence du petit nombre de comparables sur la justice fiscale dans le domaine du prix de transfert », *Revue de planification fiscale et financière*, **Vol. 33, no.2**, 243-274, Juin 2013. Numéro spécial : « La justice fiscale ».
- 3) Billette de Villemeur, E. and J. Leroux, "CO2: Tax Now, Pay Later", *Tax Notes International*, 66(1), 49-53, 2012. (cover story)
- 4) Dupré, R. and J. Leroux, « Cent ans d'économie: Une longue histoire et un bel avenir, » *Gestion* **32**, 2007.

POLICY REPORTS

- 1) Leroux, J., J. Laurent-Lucchetti and K. McGrath, « Réflexion sur la tarification équitable des services d'eau au Québec », CIRANO, 2014RP-02
- 2) « Réflexion sur la tarification du réseau routier québécois », with M. Arsenault and J. Laurent-Lucchetti, CIRANO, 2010RP-02

BOOK REVIEWS

- 1) Leroux A. and J. Leroux, « Philosophie économique – Un état des lieux », edited by Gilles Campagnolo and Jean-Sébastien Gharbi, *Revue d'économie politique*, **128**(2), 2018.
- 2) « Une entreprise peut-elle être « sociale » dans une économie de marché? » by Sophie Swaton, *La revue de philosophie économique*, **12**(2), 2011.

WORKING PAPERS AND ARTICLES UNDER REVIEW

- 1) Billette de Villemeur, E. and J. Leroux, 2017, “A Fairness Justification of Marginal Cost Pricing,” in progress.
- 2) Billette de Villemeur, E. and J. Leroux, 2017, “Camels, Dummy, and the Importance of Context,” submitted.
- 3) Billette de Villemeur, E. and J. Leroux, 2017, “Tradable Climate Liabilities: A thought experiment”, submitted.
- 4) Bochet, O., J. Laurent-Lucchetti, J. Leroux and B. Sinclair-Desgagné, 2017, “Collective Dangerous Behavior: Evidence on Risk-Taking Behavior”, submitted.
- 5) Laurent-Lucchetti, J., and J. Leroux, 2017, “Rights on What is Left: An Axiomatic Discussion of Grandfathering”.
- 6) Billette de Villemeur, E. and J. Leroux, 2017, “Solidarity Borders: Communitarian vs. Cosmopolitan Public Mandates”.
- 7) Billette de Villemeur, E. and J. Leroux, 2016, “Accounting for Needs in Cost Sharing” submitted.
- 8) Leroux, J., 2007, “A discussion of the consistency axiom in cost-sharing problems”, HEC Montréal Working Paper Series.

GRANTS

- 1) FQRSC Grant, « Soutien aux équipes de recherche » program. \$353,000 for 2017-2021. Project Title : « **Environnement et ressources naturelles en contexte dynamique et risqué: gestion, stratégies, politiques et institutions** », Main applicant: Ngo van Long.
- 2) FQRSC Grant, « Soutien aux équipes de recherche » program. \$444,928 for 2012-2016. Project Title : « **Dynamique et gestion stratégique de l'environnement et des ressources naturelles en contexte risqué** », Main applicant: Pierre Lasserre.
- 3) Swiss National Science Foundation - International Short Visits Grant, 2012, “**Splitting an uncertain natural capital with non-common priors**”, with Jérémy Laurent-Lucchetti.
- 4) SSHRC Research Grant – Canadian Environmental Issues, \$134,000 for 2009-2012, “**Fair, efficient and sustainable environmental policies: Canadian resources and pollution management.**”
- 5) Agence Nationale de la Recherche (ANR) Grant for Young Researchers, 2008-2011, “**Fair environmental policies**”. Main applicant: Stefan Ambec. (project fully funded)
- 6) FQRSC Grant for Young Researchers: “**Sharing profits and costs**”, 2006-2009 (maximum funding awarded)

VISITING POSITIONS

- GREQAM, France, Feb. – June 2019
- Princeton University, Center for Health and Wellbeing, Sept. 2018- Jan. 2019
- University of Berne, Economics Department, May 2012 – June 2012

- University of Texas at Austin, Economics Department, Aug. 2011 – May 2012.
- Université Paris-I Panthéon Sorbonne, June 2010.

FELLOWSHIPS AND AWARDS

- Prix d'innovation pédagogique, HEC Montréal, 2018. « Parcours AGIR »
- Best textbook, HEC Montréal, 2018. "Microeconomics: An introduction for business students"
- John W. Gardner award for best dissertation written in the Social Sciences, May 2005.
- Teaching fellowship, Rice University, Fall 2004.
- Graduate fellowship and tuition fellowship, Rice University, 2000-2004.

Ph.D. STUDENTS

- 1) Jérémy LAURENT-LUCCHETTI, June 2009, now at University of Geneva
- 2) Walid MARROUCH, June 2009, Lebanese American University – School of Business

REFEREEING

Actualité économique (2), Annales d'économie et de statistique (1), Chaos: An Interdisciplinary Journal of Nonlinear Science (1), Contemporary Economic Policy (1), Econometric Society Monograph Series (1), Economics Bulletin (2), European Journal of Operational Research (1), Economic Theory (1), Empirical Economics (2), Energy Studies Review (1), Environmental Modeling & Assessment (3), Environmental and Resource Economics (2), International Game Theory Review (2), International Journal of Game Theory (3), IET – Intelligent Transport Systems (1), Journal of Economic Theory (1), Journal of Population Economics (1), Journal of Public Economics (1), Journal of Public Economic Theory (1), Journal of Systems Science and Systems Engineering (1), Mathematical Social Sciences (5), NSF Grant evaluator (1), Operations Research Letters (1), Oxford Economic Papers (1), Physics Letters A (2), Ressource and Energy Economics (1), Revue d'économie politique (1), Revue internationale de cas en gestion (5), SIAM Review (1), Social Choice and Welfare (8), SSHRC Grant evaluator (1), Theoretical Economics (1).

CONFERENCE AND SEMINAR PRESENTATIONS

- University of Windsor, Dec. 2018
- Climate Futures Initiative, Princeton University, Oct. 2018
- « Advances in Fair Division » conference, Higher School of Economics, St-Petersburg, Aug. 2017
- Journées Louis-André Gérard-Varet, Aix-en-Provence, France, June 2017
- Université de Sherbrooke, Département d'économique, October 2016.
- Université Laval, Département d'économique, September 2016.
- 22nd Annual conference of the European Association of Environmental and Resource Economists, Zürich, June 2016
- Journées Louis-André Gérard-Varet, Aix-en-Provence, France, June 2016
- Annual conference of the Society of Environmental Law and Economics (SELE), May 2016
- Colloque "Réaliser la justice sociale", Université Laval, Québec, May 2016.
- University of Winnipeg, March 2016

- 2nd Annual meeting of the French Association of Environmental and Resource Economics, Toulouse, September 2015
- 10th Conference on the Economics of Energy and Climate, Toulouse, September 2015
- University of Oslo, Economics Department, September 2015
- University of Glasgow, Adam Smith Business School, September 2015
- Montreal Winter Workshop in Environmental and Resource Economics, April 2015
- Workshop on Dynamic Games and Applications, Montreal, November 2014
- World Congress of Environmental and Resource and Economists, Istanbul, Turkey, June 2014
- Journées Louis-André Gérard-Varet, Aix-en-Provence, France, June 2014
- Journées Louis-André Gérard-Varet, Aix-en-Provence, France, June 26-28 2013
- 20th Annual conference of the European Association of Environmental and Resource Economists, June 26-29 2013
- Winter Meeting of the Canadian Mathematical Society, “Activités CÉGEP-Mathématiques de la Planète Terre 2013”, Montréal, Dec. 2012 (Invited speaker)
- 4th Workshop on Game Theory and the Environment, Montréal, Nov. 2012 (Plenary session)
- International Atlantic Economic Society, Montréal, Oct. 2012
- Journées du CIRPÉE, Canada, Oct. 2012
- University of Hawaii, Economics Department, April 2012.
- 13th Occasional Workshop on Environmental and Resource Economics, Feb. 2012, UCSB.
- 12th Global Conference on Environmental Taxation, Madrid, Spain, October 2011
- Rice University Alumni Lecture Series, October 2011
- Rice University, Economics Department, October 2011
- University of Texas, August 2011
- University of Bern and Oeschger Center for Climate Change Research, January 2011
- 4th World Congress of Environmental and Resource Economics, Montreal, June 2010
- Société canadienne de sciences économiques, Canada, May 2010
- University of Paris-I, Panthéon-Sorbonne, Dec. 2009.
- Journées du CIRPÉE, Canada, Oct. 2009
- Far Eastern and South Asia Meeting of the Econometric Society, Tokyo, Japan, Aug. 2009
- 7th Toulouse Conference on Environmental and Resource Economics, June 2009. Invited speaker.
- Ottawa University, Dec. 2008
- Journées du CIRPÉE, Canada, Oct. 2008
- Université du Québec à Montréal, Sept. 2008
- CHAOS 2008, Chania, Greece, June 2008
- Toulouse School of Economics, May 2008
- Journées du CIRPÉE, Canada, Oct. 2007
- University of Bilbao, Feb. 2007
- Université de Saint-Étienne, Feb. 2007
- University of Amsterdam, Feb. 2007
- Concordia University, Nov. 2006
- 8th International Meeting of the Society for Social Choice and Welfare, Istanbul, July 2006.
- University of Windsor, April 2006
- HEC Montréal, Feb. 2005
- McGill University, Feb. 2005
- Université Laval, Feb. 2005
- Simon Fraser University, Jan. 2005
- University of Kentucky, Jan. 2005
- 7th International Meeting of the Society for Social Choice and Welfare, Japan, July 2004.

- Second World Congress of the Game Theory Society, Marseille, France, July 2004.
- Society for Economic Design, Palma de Mallorca, Spain, June 2004.
- Midwest Economic Theory Group, Indianapolis, USA, April 2004.
- Southwest Economic Association Meeting, Corpus Christi, USA, March 2004.
- Choice, Information and Decision Workshop, Univ. Paris-I Panthéon-Sorbonne, Dec. 2003.

CONFERENCE ORGANIZATION

- Montreal Workshop on Natural Resources and the Environment, 2010-present, co-organizer.
- Annual Conference of the European Association of Environmental and Resource Economists. Member of the scientific committee, 2010-present.
- Ethics Workshop on the Ethics of Social Risk, organized with P. Dietsch, 2015, Montreal.
- “Après Kyoto/After Kyoto” organized with B. Sinclair-Desgagné, 2009, CIRANO, Montréal.