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Education

Ph.D. in Economics, Université des Sciences Sociales, Toulouse, France	1997
Dissertation title: “An Economic Analysis of Patent in the Firm” (in French)	
Committee: Claude Crampes (supervisor), David Encaoua, Jean Frayssé, David Pérez-Castrillo, David Sevi	
M.A., Mathematical Economics and Econometrics	1993
Université des Sciences Sociales, Toulouse, France	
B.A., Economics and Econometrics	1992
Université de Perpignan and Université des Sciences Sociales, Toulouse	

Fields

Industrial Organization, Intellectual Property Rights

Academic Experience

Professor , Department of Economics, University of Alberta, Edmonton	2020-present
Associate Professor , Department of Economics, University of Alberta, Edmonton	2008-2020
Adjunct Assistant Professor , Department of Economics, Iowa State University, Ames	2001-2008
Assistant Professor , Department of Economics, Concordia University, Montreal	1999-2001
Visiting Scholar , Department of Economics, University of Southern California, Los Angeles	1998-1999
Visiting Scholar , University of California, Berkeley	1997-1998
Teaching Assistant , Université des Sciences Sociales, Toulouse	1993-1997
Graduate Student Researcher , Université des Sciences Sociales, Toulouse	1993-1996

Short-Term Visiting Positions and other Positions

Director, Institute for Public Economics (IPE)	2016-2023
Department of Economics, University of Alberta	
Visiting Professor	July 2019, 2022, June 2023, 2025
Department of Economics, Université de Pau et des Pays de l'Adour, Pau, France	
Academic Director	2015-2016
Van Horne Institute, Centre for Regulatory Affairs	
Visiting Associate Professor	2012- 2013
Department of Economics, INRA, UPMF, Grenoble, France	

Visiting Associate Professor Department of Economics, University of Toulouse, France	June 2011
Visiting Assistant Professor Department of Economics, University of Rennes, France	May 2006
Visiting Assistant Professor Department of Economics, INRA, Grenoble, France	June 2003
Visiting Assistant Professor Department of Economics, University of Perpignan, France	May 2000

Editorial Board

Environmental and Resource Economics, Co-Editor	7/2024-present
International Review of Environmental and Resource Economics, Associate Editor	2/2023-present
Canadian Journal of Agricultural Economics, Editor	7/2019-present
Canadian Journal of Economics, member of Editorial Board	7/2010-6/2013

Published Papers

“Determinants of Locational Patenting Behavior of Canadian Firms,” with Andrew Eckert and Long Zhao, *Economics of Innovation and New Technology*, 31:4, 268-291, 2022.

“Departure and Promotion of U.S. Patent Examiners: Do Patent Characteristics Matter?” with Stéphanie Lluis, *Contemporary Economic Policy*, Vol. 39, 2, 416-434, 2021.

“Monetary and Implicit Incentives of the Patent Examiners,” with Philippe Marcoul, *Journal of Economics and Business*, Vol 110, 2020.

“Green Technology and Patents in the Presence of Green Consumers,” with Amrita Ray Chaudhuri, *Journal of the Association of Environmental and Resource Economists*, Vol. 7, 1, 73-101, 2020.

“Subjective Performance of Patent Examiners, Implicit Contracts, and Self-funded Patent Offices” with Philippe Marcoul, *Managerial and Decision Economics*, Vol. 40, 3, 251-266, 2019.

“Plant Breeders’ Rights, Patents and Incentives to Innovate,” with Adrien Hervouet, *Journal of Agricultural and Resource Economics*, 43(1), 118-150, 2018.

“The Search of Prior Art, and The Revelation of Information by Patent Applicants,” with Philippe Marcoul, *Review of Industrial Organization*, 49(3), 399-427, 2016.

“Spatial Efficiency of Genetically Modified and Non-Genetically Crops,” with Stefan Ambec and Philippe Marcoul, *Strategic Behavior and the Environment*, 5:31-59, 2015.

“A Survey of the Economics of Patent Systems and Procedures,” with Andrew Eckert, *The Journal of Economic Surveys*, Vol 28, 5, 996-1015, 2014.

“Pool of Basic Patents and Follow-up Innovations,” *Economic Inquiry*, Vol. 49, Issue 4, pp. 1070-1082, 2011.

“Are Intellectual Property Rights Detrimental to Innovation?” with Claude Crampes, *International Journal of the Economics of Business*, Vol. 16, No. 3, pp 249-268, 2009.

“Contributory Infringement Rule and Patents,” with Philippe Marcoul, *Journal of Economic Behavior and Organization*, 70 pp 296–310, 2009.

“Agricultural Production Clubs: Viability and Welfare Implications,” with B. Babcock, *Journal of Agricultural & Food Industrial Organization* Vol. 6: Iss. 1, Article 10, 2008.

“Incentives to Reduce Crop Trait Durability,” with Stefan Ambec and Stéphane Lemarié, *American Journal of Agricultural Economics*, 90(2), pp. 379-391, 2008.

“Technology Licensing to a Rival,” with Caroline Boivin, *Economics Bulletin*, vol.12, 14, pp. 1-8, 2005.

“Using Patents to Mislead Rivals,” *Canadian Journal of Economics*, vol. 38, 2, pp. 520-545, 2005.

“Are Patents Strategic Barriers to Entry?” *Journal of Economics and Business*, vol. 56, 5, pp. 349-361, 2004.

“Litigation and Settlement in Patent Infringement Cases,” with Claude Crampes, *RAND Journal of Economics*, vol. 33, 4, pp 258-274, 2002.

“The Economics of Patents: An Overview,” with GianCarlo Moschini in “Intellectual Property Rights and Patenting in Animal Breeding and Genetics,” edited by Scott Newman and Max Rothschild, CABI Publishing, 2002.

“Information Disclosure in the Renewal of Patents,” with Claude Crampes, *Les Annales d’Economie et Statistique*, 49-50, pp. 265-288, 1998. Reprinted in *The Economics and Econometrics of Innovation*, ed. Encaoua, Hall, Laisney, Mairesse, Kluwer academic publishers, 2000.

Working Papers

“Green Patents in an Oligopolistic Market with Green Consumers,” with Amrita RayChaudhuri (Revise and Resubmit, *Journal of Environmental Economics and Management*)

“The effect of Patent Continuation on the Patenting Process” (Revise and Resubmit, *Economics of Innovation and New Technology*)

“Environmental regulations and green innovation: The role of trade and technology transfer” with Inmaculada Martinez-Zarzoso and Amrita RayChaudhuri (Revise and Resubmit, *Energy Economics*)

“Merger Review under Asymmetric Information,” with Amrita RayChaudhuri (Revise and Resubmit, *Journal of Public Economic Theory*)

“Indirect Reciprocity Preferences in Public Goods Games,” with Emilie Zentner, Maik Kecinski, and Vic Adamowicz

“Bundle of Patents and Licensing of Biotechnology Traits,” with Stéphane Lemarié

“The Economics of Geographical Indications: Welfare Implications,” with Ramona Teuber and Sven Anders, 2011

“The Patent Protection,” (in French) survey of the literature on patents

Work in Progress

“Foreign Direct Investment, Export, and Emission Tax,” with Asrafuzzaman, and Amrita RayChaudhuri

“Partnership in Competitive Markets,” with Philippe Marcoul

“Spatial Management of Pesticide Resistance,” with Sylvie Charlot and Philippe Marcoul

Reports and other Publications

Compte-rendu de lecture: ‘Les nouvelles fonctions du brevet – Approches économiques et managériales,’ Pascal Corbel et Christian Le Bas. *Revue d’Études en Agriculture et Environnement / Review of Agricultural and Environmental Studies*, 93, N° 4, 2012

“Patent Systems and Procedures and their Impact on ICT: A Synthesis of Knowledge and Comparison of Canadian and U.S. Practices,” with Andrew Eckert, 2011

“Analytical Tools for Specialty Protein Corn Production,” with Roger Ginder, Darren Jarboe, and Lawrence Johnson

Grants

E2S “Thematic Hubs – 2020”	2021-2025
“Sea, Text and Sun: EnSuITe - bio-inspired Energy Sustainable and Independent Territories” (EnSuITe) – Multidisciplinary project with the Université de Pau et des Pays de l’Adour, Pau, France (partner) – (with Carole Haritchabalet), Euros 250,000	
Industry Canada, can\$20,000	2018
Industry Canada, can\$20,000	2017
Endowment Fund for the Future Support for the Advancement of Scholarship Research Fund, Research Grant, can\$8,266.12	2016
Endowment Fund for the Future Support for the Advancement of Scholarship Research Fund, Travel Grant, can\$1,455	2014
Multidisciplinary project on spatial allocation of landscape (French project FONDU “Stratégies territoriales d’utilisation DURable des antiFONGiques”) INRA (with Sylvie Charlot, Stephane Lemarie, Philippe Marcoul) - Can \$50,000	2013-2015
Killam travel fund application - can\$3,800 – Tokyo (conference cancelled)	2011
SSHRC, Fund Initiative for Knowledge Synthesis Grants on the Digital Economy, “Patent Systems and ICT: A Synthesis of Knowledge and Comparison of Canadian and U.S. Practices,” co-PI (PI: Andrew Eckert), Can\$14,485	2010
University of Alberta, SSHRC 4A Status Funding, can\$7,500	2010-2011

“Optimal Firm Choice and Welfare Effects of Geographical Indications and Trademark Systems,” SPAA research network, co-PI (PI: Sven Anders), can\$15,660	2010-2011
“Optimal Firm Choice and Welfare Effects of Geographical Indications and Trademark Systems,” SAS University of Alberta, co-PI (PI: Sven Anders), can\$4,600	2010-2011
Endowment Fund for the Future, Special Capital Equipment Fund - can\$6,079	2009
Killam fund application - can\$6,990	2009-2010
“Mobility and career concerns of USPTO examiners,” IPE Group at NBER US\$10,000	2007-2008
“Contribution of modeling in a multidisciplinary approach to manage coexistence between GM and non-GM maize,” (French: “Apports de la modelisation dans une approche pluridisciplinaire pour gerer la coexistence de filieres OGM et non-OGM dans le mais”) INRA - US\$11,659	2006-2009
“Analytical tools for production of non-food protein corn” (with Roger Ginder, Darren Jarboe and Lawrence Johnson), Illinois-Missouri Biotechnology alliance US\$62,000	2005-2007
“Analytical tools for specialty protein corn production” (with Roger Ginder, Darren Jarboe, and Lawrence Johnson), Iowa Corn Growers Association - US\$25,000	2004-2005
Faculty Research Development Funding Award (FRDP), Concordia University	2000-2001
Social Sciences and Humanities Research Committee (SSHRC special one-time)	2000

Honors and Fellowships

Lavoisier Post Doctoral Fellowship (French Foreign Ministry)	1997-1998
Research Fellowship (French Education Ministry)	1993-1996

Seminars and Conferences (last fifteen years)

Invited Seminars

Universidad Jaume I, Castelló, Spain	April 2025
GATE Lyon	March 2025
Wilfried Laurier, Waterloo (Zoom)	November 2022
REES department, University of Alberta	September 2022
Washington State University (Zoom)	September 2022
University of Pau et des Pays de l'Adour, Pau	July 2022
University of Delaware (Zoom)	April 2022
University of Connecticut (Zoom)	April 2021
University of Pau et des Pays de l'Adour, Pau	July 2019
TECHNIS webinar, Greece	November 2018
REES department, University of Alberta	October 2018

Queen's University, Smith School of Business	May 2017
Institute for Public Economics workshop, University of Alberta	April 2016
University of Saskatchewan	October 2015
University of Winnipeg	March 2015
Industry Canada, Ottawa	November 2014
Ryerson University, Toronto	November 2013
Grenoble Ecole de Management, Grenoble	January 2013
University of Pau et des Pays de l'Adour, Pau	November 2012

Conferences

European Association of Environmental and Resource Economists (EAERE), Leuven	July 2024
AFSE Annual Congress 2024, Bordeaux (France)	June 2024
Canadian Economics Association Annual Conference, Winnipeg	June 2023
Canadian Economics Association Annual Conference, Ottawa	June 2022
Canadian Economics Association Annual Conference (online)	June 2021
Société Canadienne de Science Economique (cancelled)	May 2020
Canadian Agricultural Economics Society, Winnipeg (cancelled)	June 2020
Canadian Economics Association Annual Conference, Banff	June 2019
Workshop "Pressing and Challenging Changes: Aging, Climate and Societal," Business School, University of Alberta	May 2019
Conference IRPP Ottawa (invited)	May 2018
International Industrial Organization Conference, Indianapolis, Indiana	April 2018
USPTO OCE Special Issue Conference, Alexandria (invited discussant)	September 2017
Canadian Agricultural Economics Society, Montreal	June 2017
USPTO Examiner Incentives Analysis, Alexandria (invited)	March 2017
ISED Symposium on the Effectiveness of the Patent System, Ottawa (invited)	March 2017
Canadian Economics Association Annual Conference, Ottawa	June 2016
Empirical patent law and policy workshop, University of Illinois, Champaign, (invited)	October 2015
Canadian Economics Association Annual Conference, Toronto	June 2015
Canadian Economics Association Annual Conference, Vancouver	June 2014
International Industrial Organization Conference, Chicago	April 2014
30th Journées de Micro-Economie Appliquée, Nice, France	June 2013
Canadian Economics Association Annual Conference, Calgary	June 2012

Workshops

"L'économie des brevets d'invention," University of Perpignan, Department of Chemistry	May 2000
University of Montreal, Master Workshop	January 2001
"Game Theory Workshop," Canadian National, Montreal	June 2000

Referees

Agricultural Economics; American Economic Journal: Microeconomics; American Journal of Agricultural Economics; Les Annales d'Economie et Statistique; The B.E. Journals in Theoretical Economics; Canadian Journal of Agricultural Economics; Canadian Journal of Economics; Ecological Economics;

Economics Bulletin; Economic Inquiry; Economic Journal; Environmental and Resource Economics; European Journal of Law and Economics; European Review of Agricultural Economics; Food Policy; Games and Economic Behavior; International Journal of Business and Economics; International Journal of Environmental Technology and Management; International Journal of Industrial Organization; International Review of Economics and Finance; International Review of Law and Economics; Journal of Agricultural and Food Industrial Organization; Journal of Economic Behavior and Organization; Journal of Economics; Journal of Environmental Economics and Management; Journal of the European Economic Association; Journal of Economics & Management Strategy; Journal of Industrial Economics; Journal of Industry, Competition and Trade; Journal of Institutional and Theoretical Economics; Journal of Law, Economics, and Organization; Macroeconomic Dynamics; Managerial and Decision Economics; Palgrave Communications; RAND Journal of Economics; Revue d'économie industrielle; Review of Agricultural Economics; Review of Industrial Organization; Review of Law & Economics; Recherches Economiques de Louvain; Research Policy; La Revue Française d'Economie; Structural Change and Economic Dynamics; Southern Economic Journal; Theory and Decision; The Journal of World Intellectual Property

Reviewer

Agence Nationale de la Recherche (ANR), France

National Science Foundation (NSF), USA

Social Sciences and Humanities Research Council (SSHRC), Canada

External member of the Selection Committee for Professor positions, University Pau, 2025

Member of the Nominating Committee – EAERE Award for Outstanding Publication in ERE, 2025

External examiner, undergraduate programs in economics, University of Ottawa, 2024

Association for Mentoring and Inclusion in Economics (AMIE), 2023

Member of the Scientific Committee for 60ème Congrès de la SCSE (Société canadienne de science économique), 2019-2020 ; 2020-2021

Member of the Scientific Committee for Fonds de recherche du Québec – Société et culture (FRQSC), 2017-2018, 2018-2019, 2020-2021

Member of the Scientific Committee for the Gael Conference “Economics of Innovation,” December 2016

Member, Outstanding Master Thesis Award Committee, American Agricultural Economics Association (AAEA), 2011-2014

External member of the Selection Committee for INRA Junior Research Scientists in Economics, 2013

Member of the Scientific Committee for the Third Gael Conference, “Product differentiation and innovation on related markets,” June 2013

Reviewer for European Association for Research in Industrial Economics (EARIE) Conference, September 2008

Reviewer for American Agricultural Economics Meeting, June 2002; June 2009

Reviewer for the textbook Contemporary Industrial Organization: A Quantitative Approach by Lynne Pepall, Dan Richards, and George Norman, 2010

Teaching Experience

Professor, University of Alberta

2020-present

Undergraduate: Game Theory and Economic Applications, Strategic Behavior of the Firm

Graduate: Microeconomic Theory and Strategic Behavior of the Firm

Visiting Associate Professor, University Pierre Mendes France, Grenoble Graduate: L3	2013
Visiting Associate Professor, University of Toulouse, France Graduate: Economics of Innovation, Patents and Patent Systems	2011
Associate Professor, University of Alberta Undergraduate: Intermediate Microeconomic Theory II, Advanced Microeconomic Theory, Strategic Behavior of the Firm Graduate: Microeconomic Theory, Strategic Behavior of the Firm	2008-2020
Visiting Assistant Professor, University of Rennes, France Graduate: Economics of Patents and Economics of Information Technology	2006
Adjunct Assistant Professor, Iowa State University Undergraduate: Managerial Economics, Firm Markets and Industry Structure, Industrial Organization, Agribusiness Management, Intermediate Microeconomics Graduate: Industrial Organization	2001-2008
Assistant Professor, Concordia University, Montreal Undergraduate Game Theory, Intermediate Microeconomics Graduate Industrial Organization	1999-2001
Lecturer, University of Southern California, Los Angeles Undergraduate Games and Economics, Undergraduate Industrial Organization, Intermediate Microeconomics	1998-1999
Teaching Assistant, University of Toulouse, France Intermediate Microeconomics, Principles of Macroeconomics, Political Economy, Principles of Microeconomics	1993-1997

Committee Member for the Following Ph.D. Candidates

Asrafuzzaman, University of Alberta - Ph.D. supervisor "Three Essays on Environmental Economics"	2019-2024
Benaissa Larbi, GAEL, Grenoble, France - External examiner (Comité de Suivi Individuel) "Politiques publiques pour favoriser la diversification de l'offre de semences en agriculture"	2024
Boris Ortega Moreno, University of Alberta - Internal Examiner, Ph.D. thesis "Essays on Renewable Energy, Electricity Markets and Local"	2023
Benaissa Larbi, GAEL, Grenoble, France - External examiner (Comité de Suivi Individuel) "Politiques publiques pour favoriser la diversification de l'offre de semences en agriculture"	2023
Tong Liu, University of Alberta - External examiner on Candidacy Examination "Dependent Budgets in Affiliated Value All-Pay Auction"	2022
Bonnie Luo, University of Alberta - External examiner on Candidacy Examination "Essays on the electricity market of North America"	2022
Frédéric Staut, University of Pau et des Pays de l'Adour, Pau, France – Ph.D. co-supervisor (with Carole Haritchabalet)	2021-2023
Long Zhao, University of Alberta - Ph.D. co-supervisor (with Andrew Eckert) "Patenting Behavior of Canadian Firms"	2016-2020
Boris Ortega Moreno, University of Alberta - Chair on Candidacy Examination	2019

"Essays on Renewable Energy, Electricity Markets and Local"	
Yiang Guo, University of Alberta – Arm-length examiner on Candidacy Examination "Three Essays on Electricity Markets"	2019
Ruotao Tang, University of Alberta, 2016 – External examiner "Three Essays on Economics of Innovation"	2016
Yuan Bian, University of Alberta – Chair on Candidacy Examination "Three Essays in Environmental Policy, Electricity and Transportation"	2015
Mohammad Torshizi, University of Saskatchewan – External examiner "Sequential Innovation and Hybrid Seed Pricing: The Lessons from Canola Industry in Canada"	2015
Hyeck Ki Min, University of Alberta – Chair of Candidacy Examination Committee	2015
Ruchith Dissanayake, University of Alberta – External Examiner for Candidacy Examination "Essays on Macro-Finance Relationships"	2015
Adrien Hervouet, University of Nantes, France – External examiner "Les implications de la réglementation sur le marché des semences et l'innovation : Les droits de Propriété Intellectuelle et les règles de commercialisation"	2015
Ruotao Tang, University of Alberta – Chair on Candidacy Examination "Three Essays on Economics of Innovation"	2014
Hejun Zhuang, University of Alberta – External examiner "Essays on Competitive Online Auctions"	2014
Somchan Vuthipadadon, Iowa State University – External examiner "Scheduling inbound calls in call centers"	2008
Sasidhar Malladi, Iowa State University – External examiner "A manufacturer-service provider model with remanufacturability and variable product life considerations"	2007
Harun Bulut, Iowa State University – External examiner "Three essays on the economics of innovation"	2005

Committee Member or Chair for the Following Master, Honor Candidates and Undergraduate Students

Christopher Wu, Department of Mathematical and Statistical Sciences, University of Alberta – External reviewer Master - "Models of Selection Markets"	2024
Frédéric Staut, University of Pau et des Pays de l'Adour - External reviewer Master "Communautés énergétiques et choix d'investissement d'un ménage"	2021
Emilie Zentner, University of Alberta - Master advisor "Direct and Indirect Reciprocity in Public Goods Games"	2020
Chun Sing Lee, University of Alberta - Master advisor "Comparison of the Pendency Time Behavior in the U.S. and Canada"	2015
Evan James Miller-Tait, University of Alberta – External reviewer Master "Reconsidering Post Green Revolution Food Choices: New Processing Technologies and Food Security in India"	2013
Yacheng Tan, University of Alberta - Second Reader	2010

"An Empirical Study of the Simultaneous Purchase of Insurance and Gambling"	
Lukas Matejovsky, University of Alberta – External reviewer Master	2010
"The Role of Entrepreneurship in Canadian Economic Growth"	
Zijie Shen, University of Alberta - Second Reader	2009
"Why are people buying lotteries: an analysis of determinants of lottery players in Alberta"	
Nicholas Emter, University of Alberta - Master advisor,	2009
"An Economic Analysis of Intellectual Property: Patents and Alternative Innovation Incentives Mechanisms"	
Mei-Peng Cheong, Iowa State University - Master	2006
"Valuation of contracts for ethanol and unleaded gasoline buyers"	

Research Assistants - Supervision of Undergraduate Students

Annanya Sethi, University of Alberta	2024
James Davison, University of Alberta	2023
Agamani Chakrabarty, University of Alberta	2016

University Service

Teaching Priorities Committee, Department of Economics	2023-present
Microeconomics Courses Sequence Coordinator, Department of Economics	2023-present
Web presence coordinator, Department of Economics	2022-present
Director of the University of Alberta Economists group (UAE)	2015-present
Member of General Faculties Council (GFC) Student Conduct Policy Committee	2023-2024
Member of General Faculties Council (GFC), University of Alberta	2023-2024
Director, Institute for Public Economics (IPE), Department of Economics	2016-2023
Ad hoc committee to review Economics tenure/promotion standards document	2021-2022
Department of Economics	
Member of the Arts Executive Committee, Faculty of Arts	2018-2020
Nominations Chair - Arts Executive Committee	2019
Member of the Kule Institute for Advanced Studies (KIAS) Administrative board	2017-2020
Arts Representative on Agriculture, Life and Environmental Studies Council	2016-2019
Member of the hiring committee, Department of Economics	2016-2017
Microeconomic Seminar Organizer, Department of Economics	2008-2017
Web Presence committee, Department of Economics	2015-2016
Brown Bag seminar series Organizer, Department of Economics	2014-2016
Tenure representative for tenure cases at FEC, Department of Economics	2013-2015, 2018, 2022
Research Committee, Department of Economics	2013-2015

Graduate Program Committee, Department of Economics	2010-2012
Ad hoc committee to review the Undergraduate Program Math Requirements of the Department of Economics	2010-2011
Ad hoc committee to review Economics tenure/promotion standards document Department of Economics	2010-2011
Undergraduate Programs Committee, Iowa State University	2006-2007
Faculty Professional Development Review Committee, Iowa State University	2003-2004
Industrial Organization Workshop Organizer, Iowa State University	2003
Undergraduate Curriculum Committee, Iowa State University	2001-2007
Coordinator of Intermediates Microeconomics Courses, Concordia University	2000-2001
Hiring Committee, Concordia University	1999-2000
Graduate Program Committee, Concordia University	1999-2001
Graduate Student Representative on the Council of Research Institute GREMAQ (Toulouse)	1995-1997

Membership

Canadian Economic Association (CEA)
European Association of Environmental and Resource Economists (EAERE)