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Education

Queen's University, 1997-
Ph.D. Candidate in Economics
Expected date of completion: June 2002

University of Ottawa, 1996-1997
M.A. in Economics

University of Ottawa, 1993-1996
B.A. in Economics

Professional Experience

Department of Economics and Political Science, Royal Military College of Canada

Instructor 1998-1999

ECF 306 A – Macroeconomic Analysis I
ECF 308 B – Macroeconomic Analysis II

Department of Economics, Queen's University

Research Assistant, 2000-2001.

Worked on a fiscal federalism project conducted by the Institute of Intergovernmental Relations.

Teaching Assistant, 1997-2001

ECON 111 - Introductory Microeconomics
ECON 112 - Introductory Macroeconomics
ECON 241 - Economic Aspects of Selected Social Issues
ECON 320 - Macroeconomic Theory II
ECON 440 - Public Finance
ECON 425 - International Trade Theory and Policy
ECON 817 - Advanced Macroeconomic Theory II

Department of Economics, University of Ottawa

Teaching Assistant, 1996-1997

ECO 1504 - Introductory Microeconomics
ECO 2542 - Macroeconomic Theory I
ECO 2543 - Macroeconomic Theory II
ECO 2545 - Microeconomic Theory II

Special Surveys Division, Statistics Canada

Research Assistant, May-Aug. 1995, May-Aug. 1996.

Academic Awards and Fellowships

Social Sciences and Humanities Research Council of Canada (SSHRC) Ph.D. Fellowship, 1997-1998 to 2000-2001.
Ontario Graduate Scholarship, 1996-1997 and 1997-1998.
University of Ottawa Graduate Program Admission Scholarship, 1996-1997.
Graduate Scholarship from Fond pour la Formation de Chercheurs et l'Aide à la Recherche (FCAR), 1996-1997.
University of Ottawa Excellence Scholarship, 1994-1995 and 1995-1996.
University of Ottawa, Faculty of Social Sciences Dean Honor's List, 1993-1994, 1994-1995 and 1995-1996.

Ph. D. Thesis

Title: "Essays on Public Policies for Innovation"
Field: Public Economics
Supervisor: Robin Boadway

Teaching Fields : Public Economics, Microeconomics

Research Papers

"Taxation and the Introduction of New Technologies in the Presence of Strategic Investment", 2001, (Job Market Paper).

"Simultaneous Public and Private Provision of Services, Asymmetric Information and Innovation", 2001, co-authored with Robin Boadway and Maurice Marchand.

"Human Capital and Regional Convergence in Canada", 2001, co-authored with Serge Coulombe, *Journal of Economic Studies*, 28-3 : 154-180.

"Capital humain et convergence régionale : l'exemple du Canada", 2001, co-authored with Serge Coulombe, forthcoming in *Capital humain et dualisme sur le marché du travail*, De la Croix, D. et al., De Boeck-Larcier.

Conference Attendance

Canadian Public Economics Group, Toronto 1999, Vancouver 2000 and Montreal 2001.
Canadian Economics Association, Annual Meeting, Ottawa 1998 and Vancouver 2000.
Quatorzième congrès des économistes belges de langue française, Liège, Belgium, November 2000.
The State of Living Standards and the Quality of Life in Canada, organized by the Centre for the Study of Living Standards, Ottawa, October 1998.
Association des économistes québécois, Annual Meeting, Aylmer, May 1996.

Languages: English, French

Citizenship: Canadian

Taxation and the Introduction of New Technologies in the Presence of Strategic Investment

This paper examines optimal business taxation when new production technologies are adopted through the entry of firms in the market. New entrants have a cost advantage over established firms and post-entry competition induces exit. Because the private benefits of entry generally differ from the social benefits, the timing of entry is not socially optimal. Moreover, anticipating post-entry competition, firms have incentives to choose their investment level strategically, either to delay entry or to induce earlier exit. We characterize the system of taxes/subsidies on profits and investment required to induce the socially optimal investment, entry and exit decisions.

Simultaneous Public and Private Provision of Services, Asymmetric Information and Innovation

Co-authored with Robin Boadway and Maurice Marchand

Public and private provision of a service coexist. There is asymmetric information between the government and the agency providing the public service with respect to the costs, the quality of the service and the innovation effort of the agency. We examine how the government optimally designs the funding contracts to induce the agency to reveal its true cost condition and exert high innovation effort. The optimizing behavior of consumers and private firms are shown to generate observable information which can be used by the government to reduce its information problem. The informational rents of the agency increase with the level of innovation effort that the government chooses to induce from the agency. Innovation spillovers across the public and the private sectors result in a trade-off in the government's policy between inducing innovation and extracting the informational rent of the agency. Finally, to increase the level of redistribution inherent in the public provision of the service, the government will manipulate the expected profits of the private firms to induce higher innovation effort in the private sector.

References

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