

SEMINARIO DE ECONOMÍA

Xoves, 3 de Novembro

Título:

“Stable Cost Sharing in Convex Congestion Networks”

Ponente:

Erik Bahel

(Virginia Tech University)

Lugar: Aula-Seminario 6

Hora: 15:00 h

Organiza:

Departamentos de Economía Aplicada; Estadística e Investigación Operativa; Matemáticas.

Coa colaboración de:



Financia:

Programa de Consolidación e Estruturação de Unidades de Investigación Competitivas (ECOSOT - GRC 2015/014)

<http://seminariodeeconomia.webs.uvigo.es/>

ÉRIC AKCEL BAHÉL

February 2015

Department of Economics
Virginia Tech
Blacksburg, VA 24061-0316
Phone: (540) 231-4923
Fax: (540) 231-5097
e-mail: erbahel@vt.edu

EMPLOYMENT

2009-Present: Assistant Professor, Department of Economics, Virginia Tech

Winter 2008: Instructor, Université de Montréal

Winter 2007: Teaching assistant, Université de Montréal

2002-2003: Statistician, GTZ (German Technical Cooperation)

EDUCATION

Economics

Ph.D. in Economics, Université de Montréal (Canada), 2009, dissertation: «Essays in theoretical and applied microeconomics», advisors: Yves Sprumont and Gérard Gaudet

M.Sc. in Economics, Université d'Auvergne (France), 2004

B.Sc. in Statistics and Economics, ISSEA (Cameroon), 2002

Other degrees

M.A.S. in Development Project Management, CERDI (France), 2004

DEUG in Mathematics, Université de Yaoundé I (Cameroon), 2000

ACADEMIC INTERESTS

Microeconomic Theory, Game Theory, Resource and Environmental Economics

TEACHING EXPERIENCE

Graduate: Microeconomic Theory, Advanced Game Theory

Undergraduate: Game Theory, Mathematics for Economists

PUBLICATIONS AND ACCEPTED PAPERS

- [1] “On the Core and Bargaining Set of a Veto Game”, forthcoming in *International Journal of Game Theory*.
- [2] “Stable Lexicographic Rules for Shortest Path Games” (with Christian Trudeau), *Economics Letters*, Vol. 125, Issue 2, 2014, pp. 266–269
- [3] “International Environmental Agreements under Endogenous Uncertainty” (with Walid Marrouch and Bruno Nkuiya), forthcoming in *Journal of Public Economic Theory*
- [4] “Shapley-Shubik Methods in Cost Sharing Problems with Technological Cooperation” (with Christian Trudeau), *Social Choice and Welfare*, Vol. 43, Issue 2, 2014, pp. 261-285
- [5] “Cycles with Undistinguished Actions and Extended Rock-Paper-Scissors Games” (with Hans Haller), *Economics Letters*, Vol. 120, Issue 3, 2013, pp. 588–591
- [6] “The Economics of Oil, Biofuel and Food Commodities” (with Gérard Gaudet and Walid Marrouch), *Resource and Energy Economics*, Vol. 35, Issue 4, 2013, pp. 599–617
- [7] “A Discrete Cost Sharing Model with Technological Cooperation” (with Christian Trudeau), *International Journal of Game Theory*, Vol. 42, Issue 2, 2013, pp. 439-460
- [8] “Rock-Paper-Scissors and Cycle-Based Games”, *Economics Letters*, Vol. 115, Issue 3, 2012, pp. 401–403
- [9] “Optimal Management of Strategic Reserves of Nonrenewable Natural Resources”, *Journal of Environmental Economics and Management*, Vol. 61, Issue 3, 2011, pp. 267-280
- [10] “The Implications of the Ranking Axiom for Discrete Cost Sharing Methods”, *International Journal of Game Theory*, Vol. 40, Issue 3, 2011, pp. 551-589

WORKING PAPERS

- [1] “Stable Cost Sharing in Production Allocation Games” (with Christian Trudeau), July 2014
- [2] “Markov Strategies and Cooperation in Asymmetric International Pollution Control Problems”, March 2014
- [3] “Strategic Resource Extraction and Substitute Adoption under Learning by Doing” (with Ujjayant Chakravorty), February 2014
- [4] “Consistency Requirements and Pattern Methods in Cost Sharing Problems with Technological Cooperation” (with Christian Trudeau), December 2012

WORK IN PROGRESS

- “Deferred Acceptance Algorithms for Multi-Sided Matching Problems” (with Yves Sprumont)
- “Randomization, Stability and Fairness in the Roommate Problem”
- “A New Algorithm for Superadditive TU Games”
- “Nonrenewable Resource Depletion by a Cartel in the Presence of Random Supply Shocks” (with Gérard Gaudet)
- “A General Equilibrium Model of Environmental Regulation”
- “Dynamic Mechanisms for the Efficient Regulation of Polluting Industries”

SELECTED PRESENTATIONS

- [1] “On the Core and Bargaining Set of a Veto Game”, 10th Spain-Italy-Netherlands Meeting on Game Theory (SING10), Krakow, July 2014
- [2] “Stable Lexicographic Rules for Shortest Path Games”, Society for Social Choice and Welfare, Boston, June 2014
- [3] “Strategic Resource Dependence and Adoption of a Substitute under Learning-by-Doing”
 - 9th Spain-Italy-Netherlands Meeting on Game Theory (SING9), Vigo, July 2013
 - European Association of Environmental and Resource Economists (EAERE) Toulouse, June 2013
 - Montreal Natural Resources and Environmental Economics Workshop, March 2013
- [4] “An n-Country Model of Strategic Emissions Abatement: Feedback Strategies and Cooperation”
 - 7th Annual Symposium on Economic Theory, Policy and Applications, Athens, July 2012
 - European Association of Environmental and Resource Economists (EAERE), Rome, June 2011
 - University of Windsor, Economics Seminar Series, October 2010
- [5] “The Economics of Oil, Biofuel and Food Commodities”
 - CIREQ Conference in honor of Gérard Gaudet: Environmental and Resource Economics - 80 Years after Hotelling, April 2011
 - World Congress of Environmental and Resource Economists (WCERE), Montreal, June 2010
- [6] “Optimal Management of Strategic Reserves of Non-renewable Natural Resources”
 - European Association of Environmental and Resource Economists (EAERE), Amsterdam, June 2009

- Rochester Institute of Technology, January 2009
- Montreal Natural Resources and Environmental Economics Workshop, March 2008
- Canadian Resource and Environmental Economics Study Group (CREE), Toronto, October 2008

[7] “The Implications of the Ranking Axiom for Discrete Cost Sharing Methods”

- Canadian Economic Association, Vancouver, June 2008
- Société Canadienne de Science Économique, Montebello, May 2008

PhD ADVISEES (month of dissertation defense) Employer

- 1- Hoe Sang Chung (August 2013) Korea Economic Research Institute
- 2- Ming Yi (April 2014) Huazhong University of Science & Technology
- 3- Humphrey Yang (expected April 2016)

SERVICE

- **Referee:** Canadian Journal of Economics, Energy Policy, Games and Economic Behavior, International Journal of Game Theory, Journal of Economic Theory, Journal of Environmental Economics and Management, Journal of Public Economic Theory, European Journal of Operational Research, International Game Theory Review, Mathematical Social Sciences, Resource and Energy Economics, Scandinavian Journal of Economics, Social Choice and Welfare
- **Session Chair:** EAERE 2013 (Regulation and Externalities III), WCERE 2010 (Impacts of Biofuel Policies II)
- **Member of Search Committees (Economics, Virginia Tech):**
Department Head (from 2011 to 2014), Assistant Professor (Microeconomics) 2010/2011
- **Member of the Editorial Board of the COS Student Research Magazine (at VT)**
- **Member of the COS Diversity Committee (at VT)**

PROFESSIONAL MEMBERSHIPS (PAST AND PRESENT)

American Economic Association, Association of Environmental and Resource Economists, Canadian Economics Association, Canadian Resource and Environmental Economics Study Group, European Association of Environmental and Resource Economists, Société Canadienne de Science Économique, Society for Social Choice and Welfare

GRANTS, AWARDS AND FELLOWSHIPS

2014-2018: Social Sciences and Humanities Research Council (SSHRC) Insight Grant: "*Fairness, Stability, and Non-Manipulability in the Presence of Intermediaries*", Collaborator of Christian Trudeau (PI).

2011-2014: International Travel Grants (Virginia Tech) 2011-2014

2012-2013: VT Department of Economics Undergraduate Courses Faculty of the Year

2008-2009: Ph.D. Fellowship, Fonds de recherche sur la société et la culture (FQRSC)

2004-2008: Ph.D. Fellowship, CIREQ and Université de Montréal

2003-2004: Full Scholarship, French Ministry of Foreign Affairs, CERDI

LANGUAGES

English (fluent), French (native), German (some), Latin (some)