

Aggey Semenov

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I. General information

Education: Ph.D. Economics, University of Toulouse October 7 2005

Employment

- Associate professor, Department of Economics, University of Ottawa, Canada 2010 – current

Visiting

- University of Chicago, Booth school of business, visiting fellow of the Applied Theory Initiative 2011
- Université catholique de Louvain, visiting fellow of the Center for operations research and econometrics 2005 – 2006

II. Research

Research Interests

- Theory of incentives and applications to industrial organization, finance/banking, development, energy and environment
- Political economy: special interest politics/lobbying, principal-agent approach to politics

Publications

1. Exclusion via non-exclusive contracts, with Julian Wright 2013 forthcoming *Canadian Journal of Economics*
2. Common agency with risk-averse agent 2010 *Journal of Mathematical Economics* 46(1): 38-49.
3. A proposal for social pricing of water provision in the Ivory Coast, with Daouda Diakite and Alban Thomas 2009 *Journal of Development Economics* 88(2): 258-268.
4. Bargaining in the appointment process, constrained delegation and the political weight of the Senate, 2008 *Public Choice* 136:165-180.
5. The informational effects of competition and collusion in legislative politics, with David Martimort 2008 *Journal of Public Economics* 92:1541-1563.
6. Ideological uncertainty and lobbying competition, with David Martimort 2008 *Journal of Public Economics* v. 92(3-4): 456-481.
7. The pluralistic view of politics: asymmetric lobbies, ideological uncertainty and political entry, with David Martimort 2007 *Economics Letters* v. 97(2): 155-161.
8. Political biases in lobbying games under asymmetric information, with David Martimort 2007 *Journal of European Economic Association* v. 5(2-3): 614-623.
9. Continuity in mechanism design without transfers, with David Martimort 2006 *Economics Letters* v. 93 (2): 182-189.
10. Subrings of invariants of a finite group of automorphisms of a Jordan ring, 1991 *Siberian Mathematical Journal* 32 (1), 169-172, published bachelor thesis available at <http://www.springerlink.com/content/r811w026qr250h1t/>
11. Jacobson radical of the Galois subring of a finite group of automorphisms of a Jordan algebra, *Proceeding of the conference of young scientists*, 1990, Yakutsk

Working Papers and Projects

1. A theory of contracts with limited enforcement, with David Martimort and Lars Stole
2. Campaign contributions as access costs
3. Delegation to a potentially uninformed agent, 2012 Working paper, University of Ottawa, Department of Economics.
4. Lobbying and competition in the financial system - research project with Hector Perez-Saiz
5. Risk-taking and banking competition in case of systemic risk - research project with Hector Perez-Saiz

6. Multi-dimensional lobbying influence
7. Lobbying the legislature
8. Entry deterrence via renegotiation-proof non-exclusive contracts with Julian Wright 2011 Working paper, University of Ottawa, Department of Economics.
9. Vertical limit pricing, with Julian Wright 2011 Working paper, University of Ottawa, Department of Economics.
10. Communication by interest groups and the organization of lobbying, with David Martimort 2004 .

III. Membership and professional services

Refereeing for (most recent first)

- *International journal of industrial organization (2x)*
- *Journal of law, economics and organization*
- *International Journal of Game Theory*
- *Journal of economic theory (8x)*
- *Review of economic studies (2x)*
- *American economic review (3x)*
- *Journal of public economics (7x)*
- *Econometrica (3x)*
- *RAND journal of economics (5x)*
- *Journal of mathematical economics (2x)*
- *American political science review*
- *Economics letters*
- *European economic review*
- *Regional science and urban economics*

Journal of public economic theory (3x); Naval logistics research; Oxford economic papers; Public choice; Energy journal; European journal of political economy; International game theory review; Journal of economics; Journal of risk and uncertainty

Seminars

Canadian Economic Association annual meeting Calgary 2012, McMaster 2012, U of Ottawa 2010, 2011, Carleton 2010, Monash U 2010, “Spring of incentives” U Toulouse 2009, Singapore economic theory 2008, The summer workshop in industrial organization and management strategy NUS Singapore 2008, Industrial organization & micro workshops NUS 2008; 4th General equilibrium theory in Asia workshop, discussant NUS Singapore 2007; 5th international conference on mathematical modeling, Yakutsk university (Sakha-Yakutia Republic) 2007; Meeting of European econometric society Vienna 2006; 2nd summer school in heterogeneity CORE 2006; U Toulouse 2006; ARC seminar on heterogeneity CORE 2006; NUS 2006; First PhD presentation meeting, London school of economics 2006; U Montreal 2006; U Maastricht 2006; 1st summer school in heterogeneity CORE 2005; Meeting of European econometric society Madrid 2004; U Toulouse 2004

Member

- Econometric society
- American and Canadian economic associations

Services for University of Ottawa

- Director of MA program, department of economics 2012-
- Microeconomics PhD comprehensive exam committee - coordinator 2012-
- Microeconomics PhD comprehensive exam committee 2011-
- Industrial organization PhD comprehensive exam committee 2012-
- Faculty of graduate and postdoctoral studies 2011-
- Other duties at the department: Board of graduate studies in the humanities, Committee of graduate education, Admissions Committee of graduate studies, Scholarship committee, Fair of graduate studies, Assistance for the preparation of external fellowship applications/Responsable des études du 2e cycle, Commission des études supérieures en humanités, Comité des études supérieures, Comité des admissions des études supérieures, Comité des bourses, Foire des études supérieures, Aide aux étudiants pour la préparation de demande de bourse externe.
- Soccer team econ department

- Chess team econ department - founder
- Faculty Council (Faculty of Social Sciences) 2010-2011

Fellowships and Grants

- Social Sciences and Humanities Research Council of Canada (SSHRC) “Incentives in economics: contract theory with applications to political economy, industrial organization and corporate finance,” 2011 – 2014
- University of Ottawa start-up funds, 2010-2014
- Referee (assessor) for SSHRC Insight Grant 2012

IV. Teaching

Teaching Interests

- Undergrad: macroeconomics, statistics and theory of probability, microeconomics, game theory, mathematical economics, international trade
- Graduate: advance microeconomics, theory of incentives (contract theory), applied game theory, special interest politics, corporate finance, advanced mathematical economics
- Tutoring in mathematics for Inuit and First Nations, e-learning programs
- Tutoring math for schools in Ottawa

Teaching

- Reading group in contract theory for Carleton and OU grad students
- 2010, 2012 Introduction to macroeconomics (ECO1102)
- 2012, 2013 Advanced microeconomic analysis - PhD course (ECO7922)
- 2010, 2011, 2012 Theory of probability and statistics for business and economics (in English and French) (ECO3150 and ECO3550)

Supervision of graduate students (Ottawa U and Carleton)

- Member thesis committee: Gang Li - Carleton; Olayinka Williams - Ottawa U.
- Advisor (Masters students): Kevin Lee, Chan Qui, Jingbo Fu, Reid Gustavson, Jean-Marie Uwizeymana, Yuming Cheng

V. Previous experience

Past employment,

- 2006 – 2010 Assistant professor, Department of Economics, National University of Singapore
- 2004 – 2005 University of Toulouse: lecturer ATER (attaché temporaire d'enseignement et de recherche) - part-time position, teaching graduate and undergraduate students
- 2002 – 2005 University of Toulouse: teaching assistant (2002-2005, TA for prof. J-C. Rochet and A. Grimaud)
- 2001-2004 University of Toulouse: researcher GREMAQ (Le Groupe de Recherche en Economie Mathématique et Quantitative) - allocation des recherches
- 1995 – 2002 Economics and Finance Institute, Yakutsk State University, Republic of Sakha (Yakutia): senior lecturer (teaching Microeconomics, Macroeconomics, Introduction to Economics, etc.)
- 1995-2000 Novosibirsk Institute of Water Transport, St. Petersburg Academy of Social Relations - subsidiaries in Yakutsk: lecturer (teaching management, microeconomics and business statistics)
- 1996 – 1999 Institute of Physical-Technical problems of the North, Yakutsk: energy economics analyst (preparing reports and projects)
- 1995 Ministry of Foreign Relations, Republic of Sakha (Yakutia): foreign investment specialist
- 1991 – 1993 Yakutsk: high school, teacher of mathematics

education,

- Diplôme Européen d'Economie Quantitative Approfondie – M. Phil. equiv., Quantitative Economics, with highest distinction, advisors David Martimort and Jean-Jacques Laffont, University of Toulouse

- Diplome d'Etudes Approfondies – M.S. equiv., Mathematical Economics/Econometrics (major paper in endogenous growth model with environmental quality), with highest distinction, advisor Andre Grimaud, University of Toulouse
- MA Economics, equiv., Kazakhstan Institute of Management, Economics and Strategic Research (KIMEP)
- Diploma – B.S. equiv., Mathematics (major on non-associative rings) with highest distinction, advisor Ivan Shestakov, Novosibirsk State University

funding,

- University of Toulouse research grant, 2009
- NUS research support scheme, 2007 – 2008
- University of Toulouse research grants, 2005 – 2006
- CORE (Belgium) research fellowship, 2005 – 2006
- French government and University of Toulouse research scholarships, 2001 – 2005

Invited Lectures

- European winter meeting of econometric society, 16 students from European universities are invited each year in different places, Stockholm 2004
- Meeting of the European economic association, Vienna 2006
- Meeting of young scientists, Republic of Sakha (Yakutia) 2007

Visiting

- Summer school: Energy economics, teaching assistant of Carol Dahl, Kazakhstan Institute of Management, Economics and Strategic Research (KIMEP), Almaty 1999
- University of Toulouse, 2006, 2009

Research

- Research assistant of Jean Tirole for “The theory of corporate finance,” Princeton University Press 2005

- Experiment with the equilibrium selection in signaling games with multiple audience, research project for the class of T. Palfrey in experimental economics - first prize 2002
- Decentralization in the endogenous growth model with environmental quality, Master thesis, with highest distinction, advisor prof. A. Grimaud 2001
- Energy and environment: multiregulation in Europe, October 2002 book review, Energy journal
- The game of Kazakh oil: Is the game worth the candle, with Carol Dahl 1999 published in Kazakhstan Oil
- Relations between the energy company Yakutskenergo and the diamond producer Alrosa, 1997, Report to the president of the Republic of Sakha (Yakutia)
- Cost-benefit analysis of the energy company Yakutskenergo, 1997, Report to the Government of the Republic of Sakha (Yakutia)

Teaching

- 2001-2002: E-learning course for aboriginal people of the North: 3 schools involved - Olenek area, Republic of Sakha (Yakutia), the territory more than 300,000 km², population 30,000 only. In coordination with the ministry of education of the Republic of Sakha (Yakutia)

National U of Singapore:

- 2010 Mathematical economics
- 2009 Corporate finance (graduate)
- 2008 Microeconomic analysis II, 2007, 2008 Microeconomic analysis III

University of Toulouse:

- 2005 Microeconomics (in French), 2005 Introduction to Matlab (in French)
- 2004 Optimization (graduate course)
- 2002-2005 Macroeconomics-Growth theories (graduate course)

Languages English (working language), French (good), Russian, Sakha –Yakutian

Service for the department of Economics, National University of Singapore

- Tennis club (cofounder, with Julian Wright)
- 2009-2010 Econ Department NUS Research Committee
- 2009-2010 Econ Department NUS Graduate Committee
- Doctoral dissertation committee: Aekapol Chongvilaivan, Wu Fulan, Qian Jiwei
- Supervised undergraduate and graduate students (NUS): (2007) Li Jinkun, Wong Dan Xia, (2008) Tan Si Yuan, Gan Sheng Chong Barnabas, Quek Ching Han Olivia, (2009) Alby Yeo Kwan Yung, Ng Wee In, Khoo Hng Kiat, Wee Eu Ming, (2010) Ong Wen Cen Michelle

Service for the National University of Singapore

- 2010 NUS Intellectual Games Competition Open: Chess – 2nd runner up
- 2010 Singapore Public Service Star Games: NUS Chess team – 3rd runner up
- 2010 Singapore Public Service Star Games: NUS Swimming team – 2nd runner up
- 2009 NUS Interfaculty games: swimming

Interests

- member of Kanata chess club - twice champion and runner up
- fan of Ottawa Senators, Calgary Flames, Winnipeg Jets - hockey, Stade Toulousain, XV de France - rugby, Toulouse FC, Manchester United - soccer
- on-line chess.com, swimming at Montpetit, Maincraft - more like a project with kids, skating at Rideau canal, biking, hiking in Canadian Maritimes
- TV: Seinfeld, Question pour un champion
- Books: Ilf and Petrov, Bulgakov, Gogol, Esenin, Vernes, Dumas
- History: medieval ages, ancient Greece, WWI