

ALAIN-DÉSIRÉ NIMUBONA

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AFFILIATIONS

Visiting Scholar, Initiative of Excellence, Groupe de Recherche en Economie Théorique et Appliquée (GREThA), Université de Bordeaux, France	June - July 2019
Visiting Researcher, Swiss Federal Institute of Aquatic Science and Technology (EAWAG), Switzerland	October 2017 - March 2018
Associate Professor (with Tenure), Department of Economics, University of Waterloo	July 2015 -
Assistant Professor (Tenure track), Department of Economics, University of Waterloo	Nov 2007-June 2015
Lecturer, Department of Economics, University of Waterloo	July - October, 2007
Affiliated Professor, Balsillie School of International Affairs	2007-
Member, Water Institute, University of Waterloo	2009-
Fellow, Centre for Interuniversity Research and Analysis on Organizations (CIRANO)	2009-

EDUCATION

Ph.D. (Applied Economics), HEC Montréal (affiliated with the <i>Université de Montréal</i>)	2008
M.Sc. (Applied Economics), HEC Montréal (affiliated with the <i>Université de Montréal</i>)	2003
Licence (Economics and Public Administration), Université du Burundi	1999

PREVIOUS EXPERIENCE

Consultant, Canadian Policy Research Networks Inc. (CPRN)	November, 2005 - March, 2006
Consultant, Ministry of Planning, Development and Reconstruction, Republic of Burundi / World Bank	December, 2003 – January, 2004
Research Assistant, HEC Montréal	2001-2004
Teaching Assistant, HEC Montréal	2002-2003
Visiting Lecturer, Institut Supérieur des Cadres Militaires du Burundi (ISCAM)	2000
Junior Lecturer, Université du Burundi	1999-2000
Associate Researcher, Institut de Développement Économique du Burundi, (IDEC) / African Capacity Building Foundation	1999-2000
Researcher, Centre Universitaire de Recherche pour le Développement Économique et Social (CURDES), Burundi	1999-2000

PEER-REVIEWED PUBLICATIONS

1. **Nimubona, Alain-Désiré**, Ozkardas, Ahmet, and Jean-Christophe Pereau (2022), “Negotiations over the Provision of Multiple Ecosystem Services”, *Environmental and Resource Economics*, 84(2): 475-506. <https://doi.org/10.1007/s10640-022-00730-w>
2. Cabrera, Giorgio, Dickson, Alex, **Nimubona, Alain-Désiré**, and John Quigley (2022), “Carbon Capture, Utilisation and Storage: Incentives, Effects and Policy”, *International Journal of Greenhouse Gas Control*, 120: Article 103756. <https://doi.org/10.1016/j.ijggc.2022.103756>
3. **Nimubona, Alain-Désiré** and Jean-Christophe Pereau (2022), “Negotiating over Payments for Wetland Ecosystem Services”, *Canadian Journal of Economics*, 55(3): 1507-1538. <https://doi.org/10.1111/caje.12605>
4. **Nimubona, Alain-Désiré** (2019), “Relations entre le Commerce International et les Politiques Environnementales et Climatiques”, Chapter 7, *Le Québec Économique 8*, Editors: Marcelin Joanis and Bernard Sinclair-Desgagné.
5. Delabroye, Solveig, **Alain-Désiré Nimubona**, and Bernard Sinclair-Desgagné (2016), “International Trade and the Environmental Goods and Services Industry”, Chapter 12, *The WSPC Reference on Natural Resources and Environmental Policy in the Era of Global Change, Volume 1, Game Theory*, Editors: Ana Espinola-Arredondo and Felix Munoz-Garcia, Editor-in-Chief: Ariel Dinar.
6. **Nimubona, Alain-Désiré** and Hassan Benchechroun (2015), “Environmental R&D in the Presence of an Eco-industry”, *Environmental Modeling and Assessment*, 20(5): 491-507.
7. **Nimubona, Alain-Désiré** and Horatiu Rus (2015), “Green Technology Transfers and Border Tax Adjustments”, *Environmental and Resource Economics*, 62(1): 189-206.
8. **Nimubona, Alain-Désiré** and Bernard Sinclair-Desgagné (2013), “The Pigouvian Tax Rule in the Presence of an Eco-Industry”, *Economics Bulletin*, 33(1): 747-752.
9. **Nimubona, Alain-Désiré** (2012), “Pollution Policy and Trade Liberalization of Environmental Goods”, *Environmental and Resource Economics*, 53(3): 323-346.
10. **Nimubona, Alain-Désiré** and Bernard Sinclair-Desgagné (2011), “Polluters and Abaters”, *Annals of Economics and Statistics*, 103-104: 9-24.
11. David, Maia, **Alain-Désiré Nimubona**, and Bernard Sinclair-Desgagné (2011), “Emission Taxes and the Market for Abatement Goods and Services”, *Resource and Energy Economics*, 33(1): 179-191.
12. **Nimubona, Alain-Désiré** and Désiré Vencatachellum (2007), “Intergenerational Education Mobility of Black and White South Africans”, *Journal of Population Economics*, 20: 149-182.

WORKING PAPERS

1. Aziz, Tariq, **Nimubona, Alain-Désiré** and Philippe Van Cappellen, “Global, Regional and Local Unit Values in Ecosystem Services Valuation: A Comparative Analysis for the Grand River Watershed, Ontario, Canada”, submitted and under review.
2. **Nimubona, Alain-Désiré** and Andrew Leach, “Abatement Technology Search and the Porter Hypothesis”, submitted and under review.
3. Mergo, Teferi, **Nimubona, Alain-Désiré** and Horatiu Rus, “Ethnically Asymmetric Political Representation and the Provision of Public Goods: Theory and Evidence from Ethiopia”, submitted and under review.
4. **Nimubona, Alain-Désiré** and Horatiu Rus, “Adaptation, Mitigation, and Trade: Addressing the Economic Effects of Climate Change”, pending revision.
5. **Nimubona, Alain-Désiré** and Anindya Sen, “Outlet Rationalization and Wholesale Gasoline Prices: Evidence from Canada”.

6. **Nimubona, Alain-Désiré** and Anindya Sen, “Geographic Price Differences, Rockets and Feathers, and Market Concentration: Panel Data Evidence from Canadian Cities”.

OTHER PUBLICATIONS AND TECHNICAL REPORTS

1. Lau, Eva, Stéphanie Lluís, and **Alain-Désiré Nimubona** (2009), “Report on the Required Average for Continuation and Graduation in the Four-Year General Economics Plan”, University of Waterloo, 2009.
2. Canton, Joan and **Alain-Désiré Nimubona** (2007), “*Reconsidérer les Politiques Environnementales sous l’Angle de l’Éco-Industrie*” (Revisiting Environmental Regulation in the presence of the Eco-industry), CIRANO, Bulletin RTES, 13(1): 2-3.
3. **Nimubona, Alain-Désiré** (2006), “*Lancer sa Propre Entreprise: les Jeunes Adultes et l’Esprit d’Entreprise*” (Starting his Own Business: Entrepreneurship among Young Adults), Research Paper, Canadian Policy Research Networks.
4. **Nimubona, Alain-Désiré** (2000), “*La Dévaluation du Taux de Change et l’Expansion du Solde Budgétaire au Burundi: une Investigation Économétrique*” (Exchange Rate Devaluation and Budget Balance in Burundi: an Econometric Investigation), Research Paper, CURDES Burundi
5. **Nimubona, Alain-Désiré** (1999), “*Dévaluation et Recettes Fiscales au Burundi: une Étude de leurs Relations de Causalité*” (Devaluation and Fiscal Revenues: an Analysis of their Causal Relationships), *Revue de l’Institut de Développement Économique du Burundi* (RIDEDEC), 39(2): 127-45

RESEARCH GRANTS

NFRF (with X. Wu)	Exploration	2023
University of Waterloo (with X. Wu)	Interdisciplinary Trailblazer Fund	2022
SSHRC (with R. Brouwer)	Partnership Development Grant	2019
SSHRC (with H. Rus)	Insight Development Grant	2012
SSHRC (with M. Insley)	Canadian Environmental Issues Research Grant	2009
UW/SSHRC	Travel Grant	2008
Faculty of Arts, University of Waterloo	Starter Grant	2007

PRESENTATIONS

“Negotiating over Payments for Wetland Ecosystem Services”

- The Water Economics Research Group (WERG), University of Waterloo, Waterloo, Canada July 2020

“Ethnically Asymmetric Political Representation and the Provision of Public Goods: Theory and Evidence from Ethiopia”

- 2019 International Conference on Public Economic Theory (PET 2019), Strasbourg, France July 2019

“Adaptation, Mitigation, and Trade: Addressing the Economic Effects of Climate Change”

- 48th Annual Meeting of the Canadian Economics Association, Vancouver, Canada May 2014

“Abatement Technology Search”

- Department of Economics, Strathclyde University, Glasgow, United Kingdom November 2017
- Swiss Federal Research Institute of Aquatic Science and Technology (EAWAG), Zurich, Switzerland October 2017
- Bordeaux-Waterloo Joint Workshop on Water Research, Bordeaux, France October 2016
- Natural Resources and Environmental Economics Workshop, Montreal, Canada March 2014
- 23rd Annual Meeting of the Canadian Resource and Environmental Economics Study Group, St. Catharines, Canada September 2013
- 47th Annual Meeting of the Canadian Economics Association, Ottawa, Canada May, 2013

“Evaluating the Effects of Market Power on Gasoline Prices: Panel Data Evidence from Canadian Cities”

- 45th Annual Meeting of the Canadian Economics Association, Ottawa, Canada May, 2011

“Green Technology Transfers and Border Tax Adjustments”

- Natural Resources and Environmental Economics Workshop, Montreal, Canada March, 2011

- Department of Economics, University of Alberta, Edmonton, Canada

“Polluters and Abaters”

- Department of Economics, University of Guelph, Guelph, Canada March, 2010
- Department of Economics, University of Windsor, Windsor, Canada March, 2010

“Environmental R&D in the Presence of an Eco-industry”

- Group for Research in Decision Analysis (GERAD), Montreal, Canada March 2014
- 4th World Congress of Environmental and Resource Economists, Montreal, Canada June, 2010
- 44th Annual Meeting of the Canadian Economics Association, Quebec City, Canada May, 2010
- 19th Annual Meeting of the Canadian Resource and Environmental Economics Study Group, Edmonton, Canada October, 2009

“Pollution Policy and Trade Liberalization of Environmental Goods”

- 16th Annual Conference of the European Association of Environmental and Resource Economists, Göteborg, Sweden June, 2008
- 2008 Thematic Meeting of the French Economic Association, Toulouse, France June, 2008
- 2008 Meeting of the Southern Ontario Resource and Environmental Economics Study Group, Guelph, Canada May, 2008
- Internal Seminar, Department of Economics, University of Waterloo, Canada May 2008
- 17th Annual Meeting of the Canadian Resource and Environmental Economics Study Group, Ottawa, Canada October, 2007
- 41st Annual Meeting of the Canadian Economics Association, Halifax, Canada June, 2007
- 47^{ème} Congrès annuel de la Société Canadienne de Science Économique, Quebec, Canada May, 2007
- Natural Resources and Environmental Economics Workshop, Montreal, Canada March, 2007

“Emission Taxes and the Market for Abatement Goods and Services”

- University of Waterloo, Waterloo, Canada February, 2007
- Wilfrid Laurier University, Waterloo, Canada February, 2007
- Workshop on Energy and Environmental Modeling, Montreal, Canada February, 2007
- 16th Annual Meeting of the Canadian Resource and Environmental Economics Study Group, Wolfville, Canada October, 2006
- Third World Congress of Environmental and Resource Economists, Kyoto, Japan July, 2006
- EAERE-FEEM-VIU European Summer School in Resource and Environmental Economics, Venice, Italy June, 2006
- 46^{ème} Congrès annuel de la Société Canadienne de Science Économique, Montreal, Canada May, 2006
- Natural Resources and Environmental Economics Workshop, Montreal, Canada March, 2006

“The Pigouvian Tax Rule in the Presence of an Eco-industry”

- 45^{ème} Congrès de la Société Canadienne de Science Économique, Charlevoix, Canada May, 2005
- Groupe de Recherche sur le Risque, l'Information et la Décision, ENS Cachan, France April, 2005
- Laboratoire d'économétrie, École Polytechnique, Paris, France April, 2005
- Natural Resources and Environmental Economics Workshop, Montreal, Canada February, 2005
- Centre for Interuniversity Research and Analysis on Organizations (CIRANO), Montreal, Canada January 2005

“Dévaluation et Recettes Fiscales au Burundi: une Étude de leurs Relations de Causalité”

- Journées de Promotion des Jeunes Chercheurs en Économie, Bujumbura, Burundi April, 2000
- Deuxièmes Journées de Réflexion sur les Problèmes Contemporains de l'Économie Burundaise, Bujumbura, Burundi March, 1999

AWARDS AND HONORS

- HEC Montréal**, Completion-of-studies grant 2007
- The Pierre Elliott Trudeau Foundation**, Trudeau Scholarship 2004-2007
- HEC Montréal**, Esdras Minville Prize 2006
- HEC Montréal**, Henry Laureys Grant of Excellence 2004
- Chair in International Economics and Governance, HEC Montréal**, Graduate Scholarship 2003-2004
- HEC Montréal**, Recruitment Scholarship 2003

HEC Montréal, Best M.Sc. Dissertation in Applied Economics
HEC Montréal, M.Sc. Honor Roll
Canadian International Development Agency, Grant of Excellence
**The Belgian Development Co-operation and the Royal Museum for
 Central Africa**, Development Co-operation Prize

2003
 Spring 2002
 2000-2002
 2000

GRADUATE STUDENTS' SUPERVISION

Post-Doctorals

1. Ahmet Ozkardas, Department of Economics, University of Waterloo, co-supervisor with Roy Brouwer (2020-2021).

Major Advisor to Ph.D. Thesis

1. Khusro Mir, Department of Economics, University of Waterloo, co-supervisor with Roy Brouwer (ongoing)
2. Giorgio Cabrera, Department of Management, University of Strathclyde, co-supervisor with Alex Dickson and John Quigley (defended in August 2021).

Member of PhD Committees

1. Zehua Pan, Department of Economics, University of Waterloo (defended in August 2021)
2. Isra Saeed, School of Environment, Enterprise and Development, University of Waterloo (ongoing)
3. Ines Havet, School of Environment, Resources and Sustainability, University of Waterloo (ongoing)
4. Yichun Huang, Department of Economics, University of Waterloo (defended in March 2020)
5. Ghazal Memartoluie, Department of Economics, University of Waterloo (defended in April 2018)
6. Tariq Aziz, Department of Earth and Environmental Sciences, University of Waterloo (defended in September 2018)
7. Wai Hong Choi, Department of Economics, University of Waterloo (defended in August 2013)
8. Zainub Ibrahim, Department of Geography and Environmental Management, University of Waterloo (defended in April 2013)
9. Abdullah Almansour, Department of Economics, University of Waterloo (defended in September 2012)
10. Shan Chen, Department of Economics, University of Waterloo (defended in September 2010).

Reader for Master's Theses and Major Research Papers

1. Xingtong Ji, School of Environment, Resources and Sustainability, University of Waterloo (Spring 2022)
2. Ruogu Liu, Department of Economics, University of Waterloo (Winter 2019)
3. Feifei Ding, Department of Economics, University of Waterloo (Spring 2014)
4. Ghazal Memartoluie, Department of Economics, University of Waterloo (Fall 2010)
5. Sarah McFalls, Department of Economics, University of Waterloo (Winter 2009).

External Examiner of PhD Dissertations

1. Wenjie Wei, College of Business and Economics, Australian National University, November 2016
2. Armaghan Rahimi, Department of Economics, University of Ottawa, November 2015
3. Jianqiao Liu, Department of Economics, University of Ottawa, August 2011.

TEACHING COMMITMENTS

ECON 657 (Environmental economics), Graduate

ECON 357 / 457 (Environmental economics), Undergraduate

ECON 301 (Microeconomic theory II), Undergraduate

Econ 290 (Models of Choice in Competitive Markets), Undergraduate

ECON 201 (Microeconomic theory I), Undergraduate

ECON 101 (Introduction to Microeconomics), Undergraduate

UNIVERSITY ADMINISTRATIVE DUTIES AND ACADEMIC COMMUNITY INVOLVEMENT

University of Waterloo

- Water Institute Senior Management Committee, Member 2022
- FAUW Council of Representatives, Member 2020-2021
- Alumni and Student Relations Committee, Chair 2018-2021
- Department Tenure and Promotion Committee (DTPC), Member 2018-2020
- Undergraduate Recruitment Committee, Chair 2016-2017

- Department Advisory Committee for Appointment (DACA), Member 2015-2017
- Public Relations Committee, Member 2014-2016
- Integrated Water Management Graduate Program Committee, Member 2012-2017
- Graduate Committee, Member 2011-2013
- Environment and Economics Minor, Director 2009-2017
- Undergraduate Committee, Member 2007-2011, 2014-2015

The Pierre Elliott Trudeau Foundation

- Member, Application and Nomination Review Committee (ANRC) 2022-
- Vice-Chair, Selection Committee for Trudeau Scholars 2015

Referee Activities

- Academic Journals: Environmental Modeling and Assessment; Environmental and Resource Economics; Environmental Economics and Policy Studies; Environment and Development Economics; Journal of Environmental Economics and Management; Journal of Public Economic Theory; Strategic Behavior and the Environment; Resource and Energy Economics; Review of International Economics, Water Resources Economics.
- Social Sciences and Humanities Research Council of Canada.

PROFESSIONAL ASSOCIATIONS

Canadian Economics Association

Association of Environmental and Resource Economists

European Association of Environmental and Resource Economists.

LANGUAGES

Kirundi and Kinyarwanda (native speaker), French and English (fluent), Kiswahili (basics).