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INSTITUT DE HAUTES
ÉTUDES INTERNATIONALES
ET DU DÉVELOPPEMENT
GRADUATE INSTITUTE
OF INTERNATIONAL AND
DEVELOPMENT STUDIES

Curriculum Vitae

Ravi Bhavnani

Contact

The Graduate Institute, Geneva
International Relations/Political Science Department
Maison de la Paix
1211 Geneva, Switzerland

t: +41 22 908 59 53

e: ravi.bhavnani@graduateinstitute.ch

w: www.rbhavnani.com  0000-0001-6501-5682

Employment

- 2011–present *The Graduate Institute, Geneva*
Professor
Associate Professor
- 2005–11 *Michigan State University*
Assistant Professor
- 2003–05 *University of Illinois at Urbana-Champaign*
Assistant Professor

Education

- 2003 *University of Michigan, Ann Arbor*
Ph.D., Political Science, Comparative Politics & Methods
Dissertation: Essays on Intraethnic & Interethnic Violence
Chaired by Robert Axelrod
- 1995 *University of Michigan, Ann Arbor*
M.P.P., Ford School of Public Policy, Development Finance
- 1992 *Beloit College*
B.A., Economics & International Relations
Magna Cum Laude

Research Interests

- Substantive* Social Complexity
 – Cooperation & Conflict
 – Human Security & Development
- Methodological* Computational Modeling
 – Self-Organization & Emergence
 – Evolutionary Algorithms

Edited Volumes

02. Backer, D., R. Bhavnani, and P. Huth (eds.). 2017. *Peace and Conflict*. Routledge.
01. Backer, D., R. Bhavnani, and P. Huth (eds.). 2016. *Peace and Conflict*. Routledge.

Articles

21. Bhavnani, R. and M. Reul. 2019. "The Morphology of Urban Conflict." *Global Challenges: New Grammars of War: Conflict and Violence in the 21st Century* Issue no. 5 (April).
20. Bhavnani, R. and M. Reul. 2019. "The Morphology of Urban Conflict." *GLOBE: Graduate Institute Review* 23 (Spring): 22-23.
19. Bhavnani, R., K. Donnay, D. Miodownik, M. Mor and D. Helbing. 2014. "Group Segregation and Urban Violence." *American Journal of Political Science* 58:1 (January): 226-245. Recipient of the 2014 *American Journal of Political Science* Best Paper Award.
18. Bhavnani, R. and H. Choi. 2012. "Modeling Civil Violence in Afghanistan: Ethnic Geography, Control, and Collaboration." *Complexity* 17:6 (July/August): 42-51.
17. Bhavnani, R. and K. Donnay. 2012. "Here's Looking at You: The Arab Spring and Violence in Gaza, Israel and the West Bank." *Swiss Political Science Review* 18:1 (March): 124-131.
16. Bratton, M., R. Bhavnani and T. Chen. 2012. "Voting Intentions in Africa: Ethnic, Economic or Partisan?" *Commonwealth and Comparative Politics* 50:1 (February): 27-52.
15. Miodownik, D. and R. Bhavnani. 2011. "Ethnic Minority Rule and Civil War Onset: How Identity Salience, Fiscal Policy, and Natural Resource Profiles Moderate Outcomes." *Conflict Management and Peace Science* 28:5 (November): 438-458.
14. Bhavnani, R., D. Miodownik and H. Choi. 2011. "Violence and Control in Civil Conflict: Israel, the West Bank, and Gaza." *Comparative Politics* 44:1 (October): 61-80.

13. Bhavnani, R. and J. Lavery. 2011. "Transnational-Ethnic Ties and the Incidence of Minority Rule in Rwanda and Burundi." *Nationalism and Ethnic Politics* 17:3 (July-September): 231-256.
12. Bhavnani, R., D. Miodownik and H. Choi. 2011. "Three Two Tango: Territorial Control and Selective Violence in Israel, the West Bank, and Gaza." *Journal of Conflict Resolution* 55:1 (February): 133-158.
11. Miodownik, D., B. Cartrite and R. Bhavnani. 2010. "Between Replication and Docking: 'Adaptive Agents, Political Institutions, and Civic Traditions' Revisited." *Journal of Artificial Societies and Social Simulation* 13:3 (June).
10. Bhavnani, R. 2009. "Scarcity, Abundance, and Conflict: A Complex New World." *Whitehead Journal of International Diplomacy* 10:2 (Summer/Fall): 19-34.
09. Bhavnani, R., M. Findley and J. Kuklinski. 2009. "Rumor Dynamics in Ethnic Violence." *Journal of Politics* 71:3 (July): 876-892.
08. Bhavnani, R. and D. Miodownik. 2009. "Ethnic Polarization, Ethnic Salience, and Civil War." *Journal of Conflict Resolution* 53:1 (February): 30-49.
07. Bhavnani, R., R. Riolo and D. Backer. 2008. "Simulating Closed Regimes with Agent-Based Models." *Complexity* 14:1 (September/October): 36-44.
06. Bhavnani, R., D. Miodownik and J. Nart. 2008. "REsCape: An Agent-Based Framework for Modeling Resources, Ethnicity, and Conflict." *Journal of Artificial Societies and Social Simulation* 11:2 (March).
05. Bhavnani, R. 2006. "Ethnic Norms and Interethnic Violence: Accounting for Mass Participation in the Rwandan Genocide." *Journal of Peace Research* 43:6 (November): 651-669.
04. Snyder, R. and R. Bhavnani. 2005. "Diamonds, Blood, and Taxes: A Revenue-Centered Framework for Explaining Political Order." *Journal of Conflict Resolution* 49:4 (August): 563-597.
03. Bhavnani, R. 2003. "Adaptive Agents, Political Institutions, and Civic Traditions in Modern Italy." *Journal of Artificial Societies and Social Simulation* 6:4 (October).
02. Bhavnani, R. and M. Ross. 2003. "Announcement, Credibility, and Turnout in Popular Rebellions." *Journal of Conflict Resolution* 47:3 (June): 340-366.
01. Bhavnani, R. and D. Backer. 2000. "Localized Ethnic Conflict and Genocide: Accounting for Differences in Rwanda and Burundi." *Journal of Conflict Resolution* 44:3 (June): 283-307.

Working Papers

04. Bratton, M., R. Bhavnani and T. Chen. 2011. "Voting Intentions in Africa: Ethnic, Economic or Partisan?" *Afrobarometer Working Paper* No. 127.
03. Bhavnani, R. and D. Backer. 2007. "Social Capital and Political Violence in Sub-Saharan Africa." *Afrobarometer Working Paper* No. 90.
02. Bhavnani, R., R. Riolo and D. Backer. 2002. "A Hybrid Model of Decision-Making in Closed Political Regimes." *Proceedings of Workshop on Social Agents: Ecology, Exchange, and Evolution* Gleacher Center, University of Chicago, October 11-12.
01. Bhavnani, R. and D. Backer. 1999. "Localized Ethnic Conflict and Genocide: Accounting for Differences." *Santa Fe Institute Working Paper* 99-07-053.

Chapters

12. Bhavnani, R., K. Donnay and M. Reul. 2020. "Notes and Advice for Evidence-Driven Computational Modeling Projects." In R. Franzese and L. Curini (eds.) *Sage Handbook of Research Methods in Political Science & International Relations*. Sage.
11. Bhavnani, R. and D. Sylvan. 2017. "Simulation and ABM in Foreign Policy." *Oxford Research Encyclopedia of Politics*. Oxford University Press.
10. Backer, D., R. Bhavnani, R. and P. Huth. 2017. "Introduction to Peace and Conflict 2017." in D. Backer, R. Bhavnani, and P. Huth (eds.) *Peace and Conflict*. Routledge.
09. Bhavnani, R. and K. Donnay. 2017. "Generalizing Findings from Micro-Level Research on Peace and Conflict: Reflections about Challenges and Solutions." in D. Backer, R. Bhavnani, and P. Huth (eds.) *Peace and Conflict*. Routledge.
08. Bratton, M., R. Bhavnani and T. Chen 2016. "Voting Intentions in Africa: Ethnic, Economic or Partisan?" in N. Cheeseman (ed.) *African Politics*. Routledge.
07. Backer, D., R. Bhavnani, R. and P. Huth. 2016. "Introduction to Peace and Conflict 2016." in D. Backer, R. Bhavnani, and P. Huth (eds.) *Peace and Conflict*. Routledge.
06. Bhavnani, R. and K. Donnay. 2016. "The Cutting Edge of Research on Peace and Conflict." in D. Backer, R. Bhavnani, and P. Huth (eds.) *Peace and Conflict*. Routledge.
05. Donnay, K., E. Gadjanova and R. Bhavnani. 2014. "Disaggregating Conflict by Actors, Time, and Location." in D. Backer, J. Wilkenfeld, and P. Huth (eds.) *Peace and Conflict*. Paradigm Publishers.

04. Bratton, M., R. Bhavnani and T. Chen 2013. "Voting Intentions in Africa: Ethnic, Economic or Partisan?" in M. Bratton (ed.) *Voting and Democratic Citizenship in Africa*. Lynne Rienner Publishers.
03. Bhavnani, R. and D. Miodownik. 2010. "Macro- and Micro-Level Theories of Violence in Ethnic and Non-Ethnic Civil Wars." in T. Jacobson (ed.) *Causes of War: An Introduction to Theories Behind Warfare and Collective Violence*. Nova Science Publishers.
02. Bhavnani, R., R. Riolo and D. Miodownik. 2010. "Computational Models of Ethnic Violence." in A. Kott and G. Citrenbaum (eds.) *Estimating Impact: A Handbook of Computational Methods and Models for Anticipating Economic, Social, Political and Security Effects in International Interventions*. Springer.
01. Bhavnani, R. 2006. "Agent Based Models in the Study of Ethnic Norms and Interethnic Violence." in N. Harrison (ed.) *Complexity in World Politics: Concepts and Methods of a New Paradigm*. SUNY Press.

Grants

- | | |
|---------|--|
| 2017–21 | <p><i>MERIAM</i>
 <i>Modelling Early Risk Indicators to Anticipate Malnutrition</i>
 Department for International Development, U.K.
 Grant: £2,750,000 (Sub-Award PI)</p> |
| 2014–18 | <p><i>Aiding Resilience?</i>
 <i>The Impact of Foreign Assistance on the Dynamics of Intra-state Armed Conflict</i>
 MINERVA Research Initiative, U.S. Department of Defense
 Grant: £2,549,460 (Sub-Award PI)</p> |
| 2001–04 | <p><i>SCRAM</i>
 <i>Simulating Closed Regimes with Agent-Based Models</i>
 Small Group Dynamics Grant, U.S. Department of Defense
 Grant: \$500,000 (Principal Investigator)</p> |
| 1999 | <p><i>Dissertation Research Grant</i>
 U.S. National Science Foundation</p> |

Awards & Fellowships

- 2014 *American Journal of Political Science*
Best Paper Award
- 2010 *ETH Zürich, Sociology, Modeling and Simulation*
Research Fellowship
- Michigan State University*
Environmental Faculty Fellow
- 2009 *Michigan State University*
Global Area Thematic Initiative Fellowship
- 2007 *Michigan State University*
Lilly Teaching Fellow
- 2006 *Michigan State University*
Research Fellowship
- 2003 *University of Illinois Program for Research in Humanities*
Faculty Fellow
- 2001 *Stanford University*
Hamburg Pre-doctoral Fellow, CISAC
- 2000 *University of Michigan*
Rackham Pre-doctoral Fellow
- 1998 *University of Michigan*
Pre-dissertation Fellowship, Center for African Studies
Pre-dissertation Award, Political Science Department
Pre-dissertation Award, International Institute
Rackham Summer Research Partnership Award
- 1996 *University of Michigan*
Tuition Scholarship, Political Science Department
- 1995 *University of Michigan*
Overseas Internship Award
- 1994 *University of Michigan*
Neil S. Stabler Award, School of Public Policy
- 1992 *Hebrew University of Jerusalem*
Raoul Wallenberg Scholar
- Beloit College*
Phi Beta Kappa Honor Society
Phi Beta Kappa Graduate Scholarship
Thomas Mathers Award in Economics
Coleman Peterson Award in Political Science
Tuition Scholarship

Presentations

- 2022 *2nd Intl Conference on Environmental Peacebuilding*
IHEID, Geneva (Invited)
- 2020 *International Studies Association*
Honolulu
- 2019 *American Political Science Association*
Washington D.C.
- International Studies Association*
Toronto
- European Political Science Association*
Belfast
- Intl Conference on Computational Social Science(IC2S2)*
University of Amsterdam
- Computational Social Science Symposium*
ETH Zurich (Applied)
- 2018 *International Studies Association*
San Francisco
- European Political Science Association*
Vienna
- 2017 *American Political Science Association*
San Francisco
- International Studies Association*
Baltimore
- European Political Science Association*
Milan
- European Consortium for Political Research*
Oslo
- 2016 *International Studies Association Annual Meeting*
Atlanta
- European Consortium for Political Research*
Prague
- European Network on Conflict Research*
Geneva
- 16th Jan Tinbergen European Peace Science*
Milan
- Culture, Conflict Research Network*
Smithsonian Institute, Washington D.C (Invited)
- 2015 *European Political Science Association*
Vienna
- Methodological Innovation in Urban Political Research*
Berkeley & Washington DC

- Political Science Research Seminar*
Trinity College, Dublin (Invited)
- 6th International Meeting On Peace Science*
Chulalongkorn University, Bangkok (Invited)
- 2014 *European Political Science Association*
Edinburgh
- International Studies Association*
Toronto (Invited)
- European Network for Conflict Research*
Istanbul
- 14th Jan Tinbergen European Peace Science*
The Hague
- The Science and Practice of Computational Modeling*
UM-SFI Annual Meeting, Ann Arbor (Invited)
Held in honor of Rick Riolo
- 2013 *International Studies Association*
San Francisco
- European Consortium for Political Research*
Bordeaux
- PSS-ISA Joint Conference*
Budapest
- The Evolution of Cooperation and the Framing of Peace*
University of Michigan (Invited)
- 2012 *International Studies Association*
San Diego
- European Political Science Association*
Berlin
- International Political Science Association World Congress*
Madrid
- Faculty Workshop*
University of Geneva (Invited)
- Shining India*
The Graduate Institute, Geneva
- 2011 *European Political Science Association*
Dublin
- Inequality, Grievances Civil War*
ETH Zürich (Invited)
- Bridging Micro- Macro- Approaches on Civil Wars*
Institut d'Anàlisi Econòmica, Bcelona
- Coping with Crises in Complex Socio-Economic Systems*
ETH Zürich (Invited)

- 2010 *Violent Cities,*” Watson Institute
Brown University (Invited)
- American Political Science Association*
Washington D.C.
- Midwest Political Science Association*
Chicago
- Eurasian Peace Science, Koç University*
Istanbul
- Seminar Series, Sociology Modelling and Simulation*
ETH Zürich (Invited)
- International Conflict Research*
ETH Zürich (Invited)
- 2009 *American Political Science Association*
Toronto
- Bose Speaker Series, Department of Political Science*
University of Iowa (Invited)
- Climate Change, Social Stress, and Security*
University of Hamburg (Invited)
- Global Effects and Local Dynamics of Intra-State Conflict*
Co-Organizer, Hebrew University of Jerusalem
- 2008 *American Political Science Association*
Boston
- Midwest Political Science Association*
Chicago
- International Studies Association*
San Francisco
- Communicating Across Borders*
IDC, Sammy Ofer School, Herzliya (Invited)
- Failed and Failing States in Africa*
Cornell University (Invited)
- Disaggregating Civil War*
ETH Zürich (Invited)
- International Society for New Institutional Economics*
Toronto
- 2007 *American Political Science Association*
Chicago
- Midwest Political Science Association*
Chicago
- International Studies Association*
Chicago

- European Consortium for Political Research*
Pisa
- Disaggregating the Study of Civil War*
University of Essex (Invited)
- Symposium on Complex Systems*
University of Illinois at Urbana-Champaign
- Symposium on Complex Systems Engineering*
RAND Corporation, Santa Monica (Invited)
- Fundação Getúlio Vargas*
Sao Paulo (Invited)
- Micro-Foundations of Mass Politics in Africa*
Michigan State University
- 2006 *American Political Science Association*
Philadelphia
- Midwest Political Science Association*
Chicago
- International Studies Association*
San Diego
- Center for International Studies*
ETH Zürich (Invited)
- Political Science Seminar Series*
Michigan State University
- CSCS Advanced Academic Workshop*
University of Michigan (Invited)
- 2005 *American Political Science Association*
Washington D.C
- Midwest Political Science Association*
Chicago
- Center for the Study of Civil War*
Peace Research Institute Oslo (Invited)
- Mapping the Complexity of Civil Wars*
ETH Zürich (Invited)
- SFI Colloquia*
Santa Fe Institute (Invited)
- Hastening the Day: When Peace-Enforcers Can Leave?*
McGill University (Invited)
- The Complexity of Diversity*
University of Michigan (Invited)
- World Politics Seminar*
University of Michigan (Invited)

- Virginia Modeling, Analysis, and Simulation Center*
Old Dominion University (Invited)
- Order Conflict and Violence Series*
Yale University (Invited)
- 2004 *American Political Science Association*
Chicago
- Midwest Political Science Association*
Chicago
- CSCS Advanced Academic Workshop*
University of Michigan (Invited)
- Program for South Asian and Middle Eastern Studies*
University of Illinois at Urbana-Champaign (Invited)
- Program for Research in the Humanities*
University of Illinois at Urbana-Champaign (Invited)
- 2003 *American Political Science Association*
Philadelphia
- International Studies Association*
Portland
- CEEISA/ISA International Convention*
Central European University, Budapest
- Defense Intelligence Agency*
Bolling AFB, Washington, D.C. (Invited)
- Resources and Civil War*
McGill University (Invited)
- Center for Arms Control and Disarmament Seminar Series*
University of Illinois at Urbana-Champaign (Invited)
- 2002 *Agent 2002: Social Agents: Ecology, Exchange, & Evolution*
University of Chicago
- Defense Intelligence Agency*
Bolling AFB, Washington, D.C. (Invited)
- Social Science Seminar*
CISAC, Stanford University (Invited)
- 2001 *American Political Science Association*
San Francisco
- Defense Intelligence Agency*
Bolling AFB, Washington, D.C. (Invited)
- Agent-Based Modeling in the Study of Politics*
Graduate Institute, Geneva (Invited)
- 1998 *American Political Science Association*
Boston

Merriam Junior Master's Class
University of Illinois at Urbana-Champaign

Summer Program in Computational Economics
Santa Fe Institute

Comparative Politics Reading Group
University of Michigan

1997 *American Political Science Association*
Washington D.C.

Internal Service at The Graduate Institute

2022 *Member, Anthropology & Sociology Search Committee*

2021 *Member, Intl History & Politics Search Committee*

2021- *Member, Global Migration Center Steering Committee*

2020- *Member, Research Committee*

2018 *Member, Emotions & Societies Search Committee, UNIGE*

2014–17 *Head, International Relations Department*
Member, Academic Committee
Member, ADG Contest Academic Steering Committee

2017–18 *Member, MINT Programme Steering Committee*

2012–17 *Coordinator, Political Science Research Colloquium*

2016 *Co-Convenor, Global South Workshop, Peking University*
Member, Anthropology & Sociology Search Committee
Vice President, Humanitarian Studies Search Committee

2015 *Vice President, International Relations Search Committee*

2014 *Vice President, International Relations Search Committee*
Member, Intl Relations Search Committee, UNIGE

2013 *Member, International Law Search Committee*
Member, Anthropology & Sociology Search Committee
Member, Yves Oltramaire Chair Search Committee

2012 *Advisory Committee, Geneva Mayor's Forum*

External Service

Editorial Board

2021– Journal of Politics

Manuscript Reviewer

African Studies Review, American Journal of Political Science, American Political Science Review, British Journal of Political Science, Complexity, Comparative Politics, Comparative Studies in Society and History, Conflict Management & Peace Science, International Interactions, International Organization, International Studies Quarterly, Journal of Artificial Societies & Social Simulation, Journal of Conflict Resolution, Journal of Peace Research, Journal of Politics, Nature, Political Research Quarterly, Swiss Journal of Economics & Statistics, World Development, World Politics

Grant Proposal Reviewer

U.S National Science Foundation, Fonds National Suisse de la Recherche Scientifique, Agence Nationale de la Recherche (France), Swedish Research Council, ETH Zürich

Conference Organization and Committees

2016 *Co-Organizer*
European Network for Conflict Research
Geneva

2012–15 *Program Committee*
Winter Simulation Conference
Berlin

2012 *Program Committee*
Epistemological Perspectives on Simulation
San Antonio

2012 *Program Committee*
Brazilian Workshop on Social Simulation
Curitiba

2012–13 *Scientific Committee*
European Social Simulation Association
Salzburg

2009 *Co-organizer*
Global Effects & Local Dynamics of Intra-State Conflict
Jerusalem

Consultancies

Action Against Hunger (USA), Department for International Development(UK), FLAME University (IN), Save the Children Fund (UK), Department of Defense (US), Lockheed Martin, DARPA-COMPOEX Program (US)

1. Februar 2022