

Curriculum Vitae

Garry Sotnik

Personal Information

United States Address:

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Education

Portland State University, Ph.D. in Systems Science, 2018

Boston University, M.A. in Economics, 2007

Boston University, B.S. in Business Administration, 1999

Employment History

Adjunct Faculty, Systems Science Ph.D. Program, Portland State University, Portland, OR (09/2017–Present)

Graduate Research Assistant, Environmental Science & Management, Portland State University, Portland, OR (04/2017–08/2017)

Adjunct Faculty, Systems Science Ph.D. Program, Portland State University, Portland, OR (09/2013–03/2017)

Graduate Research Assistant, Systems Science Ph.D. Program, Portland State University, Portland, OR (03/2011–06/2011, 12/2011–03/2016)

Researcher, Global Development and Environment Institute (GDAE), Tufts University, Medford, MA (12/2008–08/2009)

Researcher, Center for Development Studies, Birzeit University, Ramallah (09/2007–08/2008)

Awards, Grants, and Scholarships

ABM Professional Enhancement Award, Agent-Based Modeling 17: A Symposium That Advances the Science of ABM [\$500] 04/22/2017

Student Fellows Development Award, Institute for Sustainable Solutions, Portland State University
[\$500] 02/04/2017

Ed & Olive Bushby Scholarship, Environmental Science & Management, Portland State University
[\$1,400] 03/22/2017

Azure Research Award, Microsoft [\$5,000] 01/11/2017

Modeling Human-Agent-Environment Interactions for Home Spaces, Intel Labs, [\$7,725] 05/13/2016

Ed & Olive Bushby Scholarship, Environmental Science & Management, Portland State University
[\$1,000] 02/26/2016

Woskob New Century Grant, College of Agricultural Sciences, Pennsylvania State University
[\$1,500] 01/25/2016

Fulbright Research Award, Institute of International Education, U.S. State Department [\$19,020]
09/01/2015 – 05/31/2016

Research Interests

Human adaptation

Bounded rationality

Cognitive architectures

Cognitive bias

Collective action

Complex adaptive systems

Counterfactual thinking

Decision support systems

Doubly-bounded rationality

Evolutionary learning

Heuristics

Knowledge-based systems

Micro-macro interaction

Mental models

Multi-agent modeling

Poverty alleviation

Resilience

Social-ecological systems

Structural change

System dynamics

Professional Memberships

International Association for Society and Natural Resources (Member)

International Network of Research on Coupled Human and Natural Systems (Member)

Sustainability Transitions Research Network (Member)

Courses Taught (at Portland State University)

Modeling Social-Ecological Systems – Spring 2012, 2013, 2014; Winter 2014, 2015, 2016; Fall 2016, 2017

Models in Science – Fall 2013

Introduction to Agent-Based Modeling – Winter 2012, 2013, 2014; Spring 2015, 2016; Winter 2017, 2018

Refereed Journal Articles

- [1] Sotnik, Garry (2018). *Testing the ability of artificial agents to represent boundedly-rational decision-making*. Manuscript submitted for publication.
- [2] Sotnik, Garry (2018). *Representing knowledge and cognition of boundedly-rational decision-makers in social contexts*. Manuscript submitted for publication.
- [3] Sotnik, Garry (2018). *Acquiring and operationalizing local decision-making knowledge in social contexts*. Manuscript submitted for publication.
- [4] Sotnik, Garry (2018). *Doubly-bounded rationalities of artificial agents*. Manuscript submitted for publication.

Technical Reports

- [1] Sotnik, Garry (2010). *Designing & Managing Interventions to Accommodate Counterfactual Impact Evaluation: A Case Study in the Gaza Strip*. Gaza City: Food and Agriculture Organization of the United Nations.
- [2] Sotnik, Garry (2009). *Determinants of Job-Search Success for Recent University Graduates in the West Bank and Gaza Strip*. Birzeit: Birzeit University, Center for Development Studies.
- [3] Sotnik, Garry (2009). *Preparatory Research for Designing a Social Security System: with a focus on Israel, Jordan, South Africa, and Sweden*. Ramallah: The Palestinian Institute for the Study of Democracy.
- [4] Sotnik, Garry (2008). *Measuring Slack in the Palestinian Labor Market*. Birzeit: Birzeit University, Center for Development Studies.
- [5] Sotnik, Garry (2008). *Social Protection Concepts and Terminology in the West Bank and Gaza Strip*. Ramallah: Palestine Economic Policy Research Institute & Ministry of Social Affairs.
- [6] Sotnik, Garry (2008). *Social Protection in the West Bank and Gaza Strip: a literature review*. (Working Paper Series, Paper 3). East Jerusalem: Food and Agriculture Organization of the United Nations.
- [7] Al Botmeh, Samia & Sotnik, Garry (2007). *Determinants of Female Labor Force Participation in the West Bank and Gaza Strip*. Ramallah: Palestine Economic Policy Research Institute.