Stanford

Garry Sotnik

Lecturer

Change Leadership for Sustainability

Bio

BIO

Garry Sotnik is a lecturer at the Stanford Doerr School of Sustainability, teaching human adaptation to climate change, decision-making, and transformative societal change. His experience studying social systems and how they change spans multiple topics and continents, ranging from poverty alleviation in the Middle East to human adaptation to policy and climate change in the United States and Ukraine. A Fulbright Award recipient, Garry led applied and theoretical research funded by the United Nations, the World Bank, and the USDA. He also published in various journals, including Sustainability Science, PNAS, and Nature Climate Change.

ACADEMIC APPOINTMENTS

- Lecturer, Change Leadership for Sustainability

Teaching

COURSES

2023-24

- Decision Making for Sustainability: SUST 225 (Aut)
- Pursuing Sustainability: Managing Complex Social Environmental Systems: ESS 230, SUST 210 (Aut)
- Sustainability Leadership Practicum: SUST 240 (Aut, Win, Spr, Sum)

2022-23

- Decision Making for Sustainability: SUST 225 (Win)
- Pursuing Sustainability: Managing Complex Social Environmental Systems: ESS 230, SUST 210 (Aut)
- Sustainability Leadership Practicum: SUST 240 (Aut, Win, Spr, Sum)

2021-22

- Sustainability Leadership Practicum: SUST 240 (Aut, Win, Spr, Sum)

Publications

PUBLICATIONS

- **How to help Ukrainian scientists overcome Russia's invasion and advance sustainability.** *Proceedings of the National Academy of Sciences of the United States of America*
  Sotnik, G., Spinova, Y., Sotnik, T., Polotska, O., Kysil, O., Krakovska, S., Diachuk, O., Bezvershenko, Y., Berezko, O., Beldavs, V., Andrusevych, A.
  2023; 120 (6): e2219792120
- **The Role of Social Identity in a Population's Adoption of Prosocial Common-Pool Behavior** *Journal of Artificial Societies and Social Simulation*
  Sotnik, G., Choporov, S., Shannon, T.

2023; 26 (3)

- **A new agent-based model offers insight into population-wide adoption of prosocial common-pool behavior** *JOURNAL OF MATHEMATICAL SOCIOLOGY*
  Sotnik, G., Shannon, T., Wakeland, W.
  2022

- **A global assessment of policy tools to support climate adaptation** *CLIMATE POLICY*
  Ulibarri, N., Ajibade, I., Galappaththi, E. K., Joe, E., Lesnikowski, A., Mach, K. J., Musah-Surugu, J., Alverio, G., Segnon, A. C., Siders, A. R., Sotnik, G., Campbell, D., Chalastani, et al
  2021

- **A systematic global stocktake of evidence on human adaptation to climate change** *NATURE CLIMATE CHANGE*
  Berrang-Ford, L., Siders, A. R., Lesnikowski, A., Fischer, A., Callaghan, M. W., Haddaway, N. R., Mach, K. J., Araos, M., Shah, M., Wannewitz, M., Doshi, D., Leiter, T., Matavel, et al
  2021

- **Practices in Social Ecological Research: Interdisciplinary Collaboration in 'Adaptive Doing' (Book Review)** *SOCIETY & NATURAL RESOURCES*
  Book Review Authored by: Sotnik, G.
  2021

- **A new agent-based model provides insight into deep uncertainty faced in simulated forest management** *LANDSCAPE ECOLOGY*
  Sotnik, G., Cassell, B. A., Duveneck, M. J., Scheller, R. M.
  2021

- **A transdisciplinary typology of change identifies new categories of adaptations and forms of co-adaptation in coupled human and natural systems** *SUSTAINABILITY SCIENCE*
  Sotnik, G., Fischer, A., Ibanez, I., Cousins, S. M.
  2021; 16 (5): 1609-1623

- **The Doubly-Bounded Rationality of an Artificial Agent and its Ability to Represent the Bounded Rationality of a Human Decision-Maker in Policy-Relevant Situations** *JOURNAL OF EXPERIMENTAL & THEORETICAL ARTIFICIAL INTELLIGENCE*
  Sotnik, G.
  2020; 32 (5): 727-749

- **The SOSIEL Platform: Knowledge-based, cognitive, and multi-agent** *BIOLOGICALLY INSPIRED COGNITIVE ARCHITECTURES*
  Sotnik, G.
  2018; 26: 103-117