Li An

IDENTIFYING INFORMATION:

NAME: An, Li

ORCID iD: https://orcid.org/0000-0002-7933-5174

POSITION TITLE: Solon & Martha Dixon Endowed Professor

PRIMARY ORGANIZATION AND LOCATION: Auburn University, Auburn, Alabama, the USA

Professional Preparation:

ORGANIZATION AND LOCATION	DEGREE (if applicable)	RECEIPT DATE	FIELD OF STUDY
Michigan State University, East Lansing, Michigan, United States	MS	06/2002	Probability and Statistics
Michigan State University, East Lansing, Michigan, United States	PHD	06/2003	Systems Modeling (Fisheries and Wildlife)
Chinese Academy of Sciences, Beijing, China	MS	06/1992	Systems Ecology
Peking University, Beijing, China	BS	06/1989	Economic Geography

Appointments and Positions

2023 - present	Solon & Martha Dixon Endowed Professor, Auburn University, College of Forestry, Wildlife, and Environment, Auburn, Alabama, United States
2023 - present	Director, International Center for Climate and Global Change Research, Auburn University, Auburn, Alabama, United States
2019 - 2023	Director, Center for Complex Human-Environment Systems, San Diego State University, San Diego, California, United States
2013 - 2023	Professor, San Diego State University, Department of Geography, San Diego, California, United States
2009 - 2013	Associate Professor, San Diego State University, Department of Geography, San Diego, California, United States
2005 - 2009	Assistant Professor, San Diego State University, Department of Geography, San Diego, California, United States
2003 - 2005	Postdoctoral fellow, University of Michigan, Ann Arbor, Michigan, United States

Products

Products Most Closely Related to the Proposed Project

1. An, L., J. Liu, Q. Zhang, C. Song, D. Ezzine-de-Blas, J. Dai, H. Zhang, R. Lewison, E. Bohnett, D. Stow, W. Xu, and B.A. Bryan (2024). Global hidden spillover effects among concurrent green efforts. Science of the Total Environment, 917, 169880.
2. An L, Grimm V, Bai Y, Sullivan A, Turner II B, Malleson N, Heppenstall A, Vincenot C, Robinson D, Ye X, Liu J, Lindkvist E, Tang W. Modeling agent decision and behavior in the light of data science and artificial intelligence. Environmental Modeling & Software. 2023; 105713. Available from: https://doi.org/10.1016/j.envsoft.2023.105713
3. An L, Mak J, Yang S, Lewison R, Stow DA, Chen H, Xu W, Shi L, Tsai Y. Cascading impacts

of payments for ecosystem services in complex human-environment systems. Journal of Artificial Societies and Social Simulation. 2020; 23(1):5.
4. An L. Modeling human decisions in coupled human and natural systems: review of agent-based models. Ecological Modelling. 2012; 229(24):25-36.
5. An L, Bohnett E, Battle C, Dai J, Lewison R, Jankowski P, Carter N, Ghimire D, Dhakal M, Karki J, Zvoleff A. Sex-specific habitat suitability modeling for Panthera tigris in Chitwan National Park, Nepal: Broader conservation implications. Sustainability. 2021; 13(13885).

Other Significant Products

1. An L, Grimm V, Sullivan A, Turner II B, Malleson N, Heppenstall A, Vincenot C, Robinson D, Ye X, Liu J, Lindkvist E, Tang W. Challenges, tasks, and opportunities in modeling agent-based complex systems. Ecological Modeling. 2021; 457(109685).
2. An L, Grimm V, Turner II B. Meeting grand challenges in agent-based models. Journal of Artificial Societies and Social Simulation. 2020; 23(1):5.
3. An L, Tsou M, Crook SE. S., Chun Y, Spitzberg B, Gawron, Gupta DK. Space-time analysis: Concepts, quantitative methods, and future directions. Annals of the Association of American Geographers. 2015; 105(5):891-914.
4. An L, Brown DG, Nassauer I, Low. Variations in development of exurban residential landscapes: timing, location, and driving forces. Journal of Land Use Science. 2011; 6(1):13-32.
5. An L, Zvoleff A, Liu J, Axinn W. Agent based modeling in coupled human and natural systems (CHANS): Lessons from a comparative analysis. Annals of Association of American Geographers. 2014; 104(4):723-745.

Synergistic Activities

1. Recipient of 1) Distinguished Scholarship Honors from the American Association of Geographers (AAG) “for his pioneering contributions to agent-based modeling and space-time analysis” in 2023; 2) the Outstanding Service Award from the Spatial Analysis and Modeling (SAM) Specialty Group of the Association of American Geographers (AAG) in 2022. This award aims to "recognize any individual(s) who has substantially contributed to the SAM group through outstanding service"; 3) the Excellence in Research Award for the Humanities and the Social Sciences at College of Arts and Letters, San Diego State University in 2018; and 4) The 2013-2014 Outstanding International Scholar Award at San Diego State University for demonstrated outstanding contributions to the international arena.
2. Elected as the President-Elect (for 2023-2024) and President (2024-2026) of the International Association for Landscape Ecology, North American (IALE–North America).
3. Fellow of American Association for the Advancement of Science for "distinguished contributions to complex human-environmental systems theory and methodological breakthroughs in modeling human decisions, agent-based modeling, land survival and latent trajectory analysis” (the 2020 class). This is a "lifetime distinction awarded to leading scientists across the world".
4. Fellow of American Association of Geographers (AAG; 2022 class) as a "creative and groundbreaking geographer whose work on agent-based modeling and space-time analysis has significantly improved our ability to model human-environment processes, in particular land use change".
5. Editorial Advisory Board of 1) Ecological Modelling (2013-present), 2) Annals of the American Association of Geographers (2014-2018), 3) International Journal of Geospatial and Environmental Research (2014-2022), 4) Journal of Artificial Societies and Social Simulation (2020-present), and 5) Frontiers in Environmental Science (as Associate Editor and Editorial Board Member; Environmental Informatics and Remote Sensing Section; 2023-present).