Yi-Ta Lu

Contact Information	Department of Political Science Stony Brook University Stony Brook, NY 11794	631-632-7667 yi-ta.lu@stonybrook.edu https://yitalu.github.io

Research Interests

Behavioral Political Economy, Collective Action, Computational Modeling, Lab Experiments, Evolutionary Game Theory

Education

Stony Brook University, Stony Brook, NY

Ph.D., Political Science, *Expected:* May 2021
- Dissertation: *Policy Cooperation Under Threats: Effects of Competition Between Interest Groups*
- Advisor: Oleg Smirnov

M.A., Economics, Dec 2015
- Thesis: *Social Preferences Behind the Veil of Ignorance: An Experiment on Amazon Mechanical Turk*
- Advisor: Reuben Kline

National Chiao Tung University, Taiwan

M.S., Physics, June 2011
- Thesis: *Measurement Uncertainty in Biological Receptor*
- Advisors: Cheng-Hung Chang

National Cheng Kung University, Taiwan

B.S., Physics, June 2009

Research Experience

Research Assistant   Aug 2016 to May 2018
Department of Political Science
Stony Brook University
Supervisor: Andrew Delton, John Barry Ryan, Oleg Smirnov, and Peter DeScioli.

Visiting Student   Jun 2015 to Aug 2015
Department of Psychology
The Ohio State University
Supervisor: Ian Krajbich

Full-Time Research Assistant   Jun 2012 to Jul 2014
Department of Economics
National Taiwan University
Supervisor: Chen-Ying Huang

Peer-Reviewed Journal Publications

Chung, H. K., Sjöström, T., Lee, H. J., **Lu, Y. T.**, Tsuo, F. Y., Chen, T. S., Chang, C. F., Juan, C. H., Kuo, W. J., and Huang, C. Y. "Why Do Irrelevant Alternatives Matter? an FMRI-TMS Study of Context-Dependent Preferences." *Journal of Neuroscience*, 2307-16, 2017.

Deng, D. M., **Lu, Y. T.**, and Chang, C. H. "Fluctuation Relations Between Hierarchical Kinetically Equivalent Networks With Arrhenius-Type Transitions and Their Roles in Systems and Structural Biology." *Physical Review E*, 95(6), 062401, 2017.

WORKING PAPERS	**Lu, Y. T.**, Hwang, W. H., Hsieh, Y. T., Ho, T. Y., Zhu, J. D., Wu, S. W., Yeh, C. I., and Huang, C. Y. "On Morality in Monkeys" 2020. Submitted to *eLife*.
	"An Agent-Based Model of Elections with Endogenous Candidates, Voters, and Media" with Oleg Smirnov and John Barry Ryan.
	"Does Media Bias Cause Political Polarization? an Agent-Based Model of Biased Media, Motivated Reasoners, and Political Polarization" (single author).
	"Trust, Inequality and Redistributive Demands in Latin America" with Robert Vidigal.
WORK IN PROGRESS	"Policy Cooperation Under Threats: Effects of Competition Between Interest Groups" with Oleg Smirnov.
	"Followership and Misinformation Credibility on Twitter During the Pandemic" with Inyoung Shin and Luxuan Wang.
	"Partisanship, Polarization, and Inequality Over Time" with Matthew Lebo and Gregory Koger.

PROGRAMS AND AWARDS	International Winter School on Agent-Based Modeling (with certificate) Jan 4-15, 2021
	    Network for Computational Modeling in Social and Ecological Sciences
	    Arizona State University

	BIGSSS Summer School in Computational Social Science *Expected:* Jul 2020
	    Department of Sociology
	    University of Groningen, Netherlands
	    (program postponed to Jul 2021 due to COVID-19 outbreak)

	SICSS Grant for Survey Experiment on Amazon Mechanical Turk ($1000) Jul 2020
	    Summer Institute in Computational Social Science
	    Duke University

	Summer Institute in Computational Social Science at Rutgers Jun 15-26, 2020
	    DIMACS (Center for Discrete Mathematics and Theoretical Computer Science)
	    Rutgers New Brunswick Libraries
	    Department of Political Science, Rutgers University

	Full Tuition Scholarship and Stipend Fall 2016 to Present
	    Department of Political Science
	    Stony Brook University

	Introduction to Complexity (with certificate) Fall 2019
	    Courses by Complexity Explorer
	    Santa Fe Institute

	Introduction to Agent-Based Modeling (with certificate) Summer 2019
	    Courses by Complexity Explorer
	    Santa Fe Institute

	Excellent Achievement Award 2005
	    for participation in the *Physics Contest* within the top 5 percent of all the students
	    participated in the academic year, National Cheng Kung University, Taiwan

	Distinguished Achievement Award 2005
	    for participation in the *Calculus Contest* within the top 10 percent of all the students
	    participated in the academic year, National Cheng Kung University, Taiwan

PRESENTATIONS "Does Media Bias Cause Political Polarization? An Agent-based Model of Biased Media, Motivated Reasoners, and Political Polarization" at the American Political Science Association Annual Meeting, San Francisco, CA   Sep 10, 2020

"Partisanship, Polarization, and Inequality Over Time" at the Midwest Political Science Association Conference, Chicago, IL   *Expected:* Apr 19, 2020
(conference canceled due to COVID-19 outbreak)

"Group Cooperation in a Policy Bargaining Game" at the Center for Behavioral Political Economy, Stony Brook University   Feb 12, 2020

"An Agent-based Model of Elections with Endogenous Candidates, Voters, and Media" at the Midwest Political Science Association Conference, Chicago, IL   Apr 6, 2019

"Distributional Preferences under Rank Reversal Aversion" at the Center for Behavioral Political Economy, Stony Brook University   Mar 6, 2018

TEACHING Instructor
- World Politics   Summer 2018 to Present
  Department of Political Science
  Stony Brook University

Teaching Assistant
- Neuroeconomics (with Prof. Chen-Ying Huang)   Spring 2014
  Department of Economics
  National Taiwan University

Courses Can Offer
- Undergraduate: World Politics, Statistics, Research Methods
- Graduate: Political Economy, Behavioral Economics, Cooperation, Game Theory, Computational Modeling, Data Analysis, Experimental Design

SKILLS Software
Python, R, Stata, oTree, NetLogo, Matlab, Mathematica, LaTeX, Qualtrics

Language
English (fluent), Mandarin (native), Taiwanese (intermediate)

PROFESSIONAL
ACTIVITIES Affiliations
Center for Behavioral Political Economy, Stony Brook University

Memberships
American Political Science Association, Midwest Political Science Association, Society for Political Methodology

Service
Discussant APSA 2020

REFERENCES Available Upon Request.