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

Political Economy, Behavioral Economics, Computational Modeling, Cooperation in Social Dilemmas

Education

Stony Brook University, Stony Brook, NY

Ph.D., Political Science, *Expected:* May 2021
- Dissertation: *Collective Action Problems in Political Systems*
- 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

Research Assistant Jun 2012 to July 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.

SUBMITTED JOURNAL PUBLICATIONS	**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. "Justice as Fairness in Monkeys: Linking Choices Behind and in Front of the Veil of Ignorance" 2019. Submitted to *Nature Communications*.

PAPERS IN PREPARATION	"An Agent-Based Model of Elections with Endogenous Candidates, Voters, and Media" with Oleg Smirnov.
	"Partisanship, Polarization, and Inequality Over Time" with Matthew Lebo and Gregory Koger.
	"Trust, Inequality and Redistributive Demands in Latin America" with Robert Vidigal.
	"Does Media Bias Cause Political Polarization? an Agent-Based Model of Biased Media, Motivated Reasoners, and Political Polarization" (single author).
	"Group Cooperation in the Context of Climate Negotiation: An Agent-Based Model" with Oleg Smirnov.

PROGRAMS AND AWARDS	Full Tuition Scholarship and Stipend Department of Political Science Stony Brook University	Fall 2016 to Present
	Introduction to Complexity (with certificate) Courses by Complexity Explorer Santa Fe Institute	Fall 2019
	Introduction to Agent-Based Modeling (with certificate) Courses by Complexity Explorer Santa Fe Institute	Summer 2019
	Excellent Achievement Award 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	2005
	Distinguished Achievement Award 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	2005

PRESENTATIONS	"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 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 EXPERIENCE	Instructor	
	• World Politics Department of Political Science Stony Brook University	Summer 2018 to Present
	Teaching Assistant	
	• Neuroeconomics (with Prof. Chen-Ying Huang) Department of Economics National Taiwan University	Spring 2014

SKILLS	**Software** Python, R, Stata, Matlab, Mathematica, LaTeX, oTree, NetLogo, Qualtrics
	Language English (fluent), Taiwanese Mandarin (native)
PROFESSIONAL ACTIVITIES	**Affiliations** Center for Behavioral Political Economy, Stony Brook University
	Memberships Midwest Political Science Association

REFERENCES

Oleg Smirnov
Associate Professor   Phone: 631-632-7624
Department of Political Science   E-mail: oleg.smirnov@stonybrook.edu
Stony Brook University

Reuben Kline
Associate Professor   Phone: 631-312-8034
Department of Political Science   E-mail: reuben.kline@stonybrook.edu
Stony Brook University

Chen-Ying Huang
Professor   Phone: 886-2-3366-8310
Department of Economics   E-mail: chenying@ntu.edu.tw
National Taiwan University

Cheng-Hung Chang
Associate Professor   Phone: 886-3-5731911
Institute of Physics   E-mail: chchang@mail.nctu.edu.tw
National Chiao Tung University