

SERA LINARDI

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EMPLOYMENT

Associate Professor with tenure, *University of Pittsburgh*, 2018
Assistant Professor, *University of Pittsburgh*, 2010 (on leave 2012-2013)
Computer Scientist, *Adobe Systems Inc.*, 1999

OTHER ACADEMIC APPOINTMENTS

Founder and Director, Center for Analytical Approaches to Social Innovation (CAASI), Fall 2019-current
Associate Professor, Intelligent Systems, School of Computing and Information, 2018-current
Affiliated Faculty, Department of Economics, 2010-current
Affiliated Faculty, Pittsburgh Experimental Economics Laboratory (PEEL), 2010-current

EDUCATION

- Ph.D. in Social Science, *California Institute of Technology*, 2010
- B.S., Computer Science, *Stanford University*, 1999

PUBLICATIONS

- “Improving Citizen-initiated Police Reform Efforts through Interactive Design: A Case Study in Allegheny County” with Yongsu Ahn, Eliana Beigel, Noah Braun, Collin Griffin, Blair Mickles, Emmaline Rial. In *Equity and Access in Algorithms, Mechanisms, and Optimization* (EAAMO 2022).
- "Project 412Connect: Bridging Students and Communities." with Alex DiChristofano, Michael L. Hamilton, and Mara F. McCloud. In *Equity and Access in Algorithms, Mechanisms, and Optimization* (EAAMO 2021, 28% acceptance rate). <https://doi.org/10.1145/3465416.3483304>
- “Worker-Firm Relational Contracts in the Time of Shutdowns: Experimental Evidence” with Colin Camerer, forthcoming in *Experimental Economics* (2021), pp. 1-27
- “Globalization and Altruism Towards the Poor in Developing Countries: An Experimental Study in India” with Nita Rudra, *Comparative Political Studies* (2020), 53(10-11), pp. 1656-1689
- "Casual Contact and Ethnic Bias: Experimental Evidence from Afghanistan" with Luke Condra, *Journal of Politics* (2019), 81(3), pp. 1028-42

- “Clerics and Scriptures: Experimentally Disentangling the Influence of Religious Authority in Afghanistan”, with Luke Condra and Mohammad Isaqzadeh, *British Journal of Political Science* (2017), pp.1-19.
- “Awareness of Low Self-Control: Theory and Evidence from a Homeless Shelter” with Elif Incekara-Halafir, *Journal of Economic Psychology* (2017), 61, pp. 39–54
- “Accounting for Noise in the Microfoundation of Information Aggregation”, *Games and Economic Behavior* (2017), 101, pp. 334-353
- “Peer Coordination and Communication Following Disaster Warnings: An Experimental Framework”, *Safety Science* (2016), 90, pp. 24-32
- “Wallflowers: Experimental Evidence of an Aversion to Standing Out” with Daniel Jones, *Management Science* (2014), 60 (7), pp. 1757-1771
- “Competition as a Savings Incentive: A Field Experiment at a Homeless Shelter” with Tomomi Tanaka, *Journal of Economics Behavior and Organization* (2013), 95, pp. 240-251
- “No Excuses for Good Behavior: Volunteering and the Social Environment” with Margaret Anne McConnell. *Journal of Public Economics* (2011), 95, 5-6, pp. 445-454.
- “Prediction Markets: Alternative Mechanisms for Complex Environments with Few Traders” with PJ Healy, Richard Lowery, and John Ledyard. *Management Science* (2010), 56 (11), pp. 1977-1996.

Working Papers:

- “Evaluating Prospective and Experienced Queues: A Behavioral Investigation” with Jing Luo and Leon Valdes (*revision requested at Manufacturing & Service Operations Management*)
- “The Price of Religion: Altruism and Risk in Islamic Banking” with Rebecca Morton, Kai Ou, Gumilang Sahadewo and Xiangdong Qin (*revision submitted to Experimental Economics*)
- “Excess demand in public transportation systems: The case of Pittsburgh’s Port Authority” with Tianfang Ma, Robizon Khubulashvili and Kostas Pelechrinis (*submitted*)
- “How the Visibility of Real-Effort Contribution Impacts Reciprocity” with Robizon Khubulashvili and Xiaohong Wang
- “Utilization of Services Among the Previously Incarcerated: A Field Experiment” with Marco Castillo and Ragan Petrie (presented at Advances for Field Experiments’22, NBER Decentralization’21 and Spring’21 Economics of Crime Online Seminar Series)
- “Raffles” with Nicole Immorlica and Robizon Khubulashvili

RECENT AWARDS (from 2019)

- University of Pittsburgh Community Engaged Scholarship Forum (CESF) Partnership of Distinction Award, 2022
- New Horizons Award for Bridging Research and Practice at Association of Computing Machinery (ACM) *Equity and Access in Algorithms, Mechanisms, and Optimization* conference, 2021
- James Caporaso Best Paper Award for papers published in *Comparative Political Studies*, 2021
- University of Pittsburgh Engaged Scholarship Design Fellow, 2021
- UC Santa Barbara, Control Dynamical Systems, ECE Distinguished Lecture, 2019

RECENT GRANTS (from 2019)

- University of Pittsburgh 2022 Pitt Seed Grant, “Creating a data science for social justice (DS4SJ) ecosystem”, \$75,000
- University of Pittsburgh 2022 Community Engaged Scholarship Forum (CESF) Partnership of Distinction Award, CAASI ACPP, \$2000
- University of Pittsburgh Year of Data and Society Grant for “Developing a Data Science for Social Justice Curriculum”, CAASI PIA 2250 class, PI \$8,000 (2021-2022)
- University of Pittsburgh Engaged Scholarship Design Fellowship, CAASI 412Connect, \$3,000
- University of Pittsburgh Momentum Grant “Community-centric Building of Digital Infrastructures Against Systemic Oppression: police misconduct complaint support system”, CAASI ACPP, PI \$18,000 (2021-2022)
- Institute for Cyber Law, Policy, and Security (Pitt Cyber) Accelerator Grant, “Developing Digitally Mediated Transparency for Police-Community Relations”, CAASI ACPP, PI \$5,000 (2021-2022)
- Rapoport Foundation, “Utilization of Social Services Among the Previously Incarceration”, PI \$45,000 (2020-23)
- National Bureau of Economic Research, NSF/CEME Decentralization Conference Funding, PI \$12,000 (2020-21)
- University of Pittsburgh Integrative Social Science Research Initiative, “The Vulnerability of Social Learning to Digital Disinformation”, Co-PI (PI Michael Colaresi, Department of Political Science), \$ 49,620 (2019-2020)
- University of Pittsburgh Integrative Social Science Research Initiative, “Precarious Work and the Experiences of Frontline Service Workers”, Co-PI (PI Lu-in Wang, School of Law), \$50,000 (2019-2022)
- Heinz Endowments, “From barely making it to ... ? Effects of raising wages among low wage workers: follow-up”, Co-PI (PI Ray Engel and Jeffrey Shook, School of Social Work), \$249,858 (2018-2019)
- National Science Foundation Cyber-Physical System Award #1739413, “Building a Smart City Economy to Motivate Pro-Social Transportation Behavior”, Co-PI (PI Alexandros Labrinidis, School of Computing and Information), \$1,439,999 (2017-2020)

RECENT CONFERENCE AND SEMINAR PRESENTATIONS (2019-current)

2022: CMU Metro21 Lunch and Learn Speaker Series, Sydney Experimental and Behavioral Research Seminar, CMU Scope-a-thon, Pitt Year of Data and Society Celebration, George Mason University Connecting Humans and Technology Symposium, CMU Data Science for Social Good, ACM Conference on Equity and Access in Algorithms, Mechanisms, and Optimization (Arlington, VA)

2021: JHU-LSE Special Online Conference on Experimental Insights from Behavioral Economics on Covid-19, Intelligent System Program Seminar Series, National Bureau of

Economic Research Decentralization 2021 Research to Practice Module, Oxford Conference on Machine Learning and Economic Inequality (declined due to scheduling), AI for Social Good (AI4SG) symposium (CMU), George Mason University Frontiers of Computing, Year of Data and Society seminar series.

2020: Mechanism Design for Social Good (MD4SG) workshop, Caltech Economic Theory Seminar (guest discussant), ACM Economics and Computation (EC) Tutorial (Budapest, July 2020), Marketplace, Algorithm and Design Seminar (Columbia), Harvard Center for Research on Computation and Society (CRCS) AI for Social Impact Seminar

2019: UC Berkeley (CITRIS), NYU-CESS Experimental Political Science Conference (NYU, discussant), Advances with Field Experiment (University of Chicago), Science of Philanthropy (UChicago), California Institute of Technology (HSS), UC Santa Barbara (Control Dynamical Systems, ECE Distinguished Lecture), Experimental Sciences Association (ESA) Annual Meeting, ACM Economics and Computation (EC) (Phoenix, program chair, panel moderator), Intelligent System Program Seminar

RECENT TEACHING (2019-current)

- Data Visualization in R for Public Policy Capstone (2017-current),
- Tutorial Instructor (with Peter Casey, CMU DSPP), CMU/Pitt Scope-a-thon (SP'22)
- Working with Public Interest Technology and Civic Data (SP'22, University of Pittsburgh Year of Data and Society class)
- CAASI Grief to Action: coordinated multiple undergraduate and graduate capstone classes to develop social justice data platforms. CS1980 (1 FA'20, 2 SP'21, 1 SP'22), INFOSCI 1740 (1 SP'21), PIA 2096 (2 SP'21, '22), LIS 2001/2 (FA'21, SP'22)
- Tutorial Instructor at the 21th ACM Conference on Economics and Computation (EC'20). Topic: Provision and Targeting for Vulnerable Population. Co-instructor: Samuel Taggart.
- Organizer: Econ+CS: Mechanism Design and Applications CAASI Reading Group (2019)
- Instructor for 2018 Global School of Empirical Research Method (Medellin, Colombia). Topic: Experimental Methods for Behavioral Science. Co-instructor: Sarah Jacobson
- Behavioral Economics and Game Theory (2010-2020)
- Director and instructor for GSPIA Amazing Analytics Race (Math Camp), 2013-2020

SERVICE (2019-current)

External

- PNAS Nexus Board of Reviewing Editors (2022-2025)
- Founded and directed multi-institution anti-racism initiative at CAASI Grief to Action (>180 volunteers since 2020, 2020-current)
- Carnegie Mellon University (CMU) Center for Shared Prosperity's Center Community Committee (C3) (2021-current)

- Executive Committee, Mechanism Design for Social Good (MD4SG) Conference (2020-2023) and co-organizing the EAAMO (Equity and Access in Algorithms, Mechanism, and Optimization) conference (2020-current)
- MD4SG Inequality Working Group co-leader (2020-2022)
- Hosted the 50th Anniversary of the National Bureau of Economic Research (NBER) 2021 NSF/CEME Decentralization Conference on Mechanism Design for Vulnerable Population at GSPIA (450 registrants, 209 attendees, 23 countries, >100 institutions, 38 practitioners)
- Program Chair, ACM Economics and Computation (EC) conference, MD4SG Problem Session (practice-to-research) track (2019)

University and School

- University: UCSUR Director Search Committee (2022), Year of Data and Society Steering Committee (2021-22), Data Science Task Force (2019)
- GSPIA: MPA Faculty Search Committee (2021), Faculty Coordinator for GSPIA-Information Science Joint Degree (2017-current), Faculty Advisory Committee (2020, 2016, 2013), PhD Committee (2019)
- Current PhD advising: Lucy Gillespie (GSPIA, chair), Xiaohong Wang (GSPIA, chair), Marcos Gallo (California Institute of Technology, committee member), Eun Young Kim (Political Science, Pitt), Bea Ahumada (Economics, Pitt), Soobin Kim (Social Work)
- Postdoctoral advising: Robizon Khubulashvili (Assistant Professor, University of San Francisco), Jinyong Jeong (Assistant Professor, Liaoning University)
- Past PhD advising (Economics, committee): Domonkos Vamossy (Amazon), Mallory Avery (Monash University), David Klinowski (Katz School of Business)