PHILIP SOLIMINE

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EXPERIENCE

Vancouver School of Economics - University of British Columbia

Postdoctoral Fellow 2022-

Departments of Economics and Scientific Computing - Florida State University

Charles & Persis Rockwood and L. Charles Hilton Doctoral Fellow 2017-2022
Researcher 2015-2017

PUBLICATIONS & WORKING PAPERS

Work in Progress

- Incentive design and specialization in dynamic networks (with Angelo Mele and Micah Pollak)
- Viral dynamics and coordinated promotion in digital platforms (with Matthew Gentry)
- Network-moderated distortion in natural resource markets (with Jesse Perla and Paul Schrimpf)
- Regulating adversarial discord in social networks (with Wei Li and Jesse Perla)
- Resource sharing on endogenous networks (with Luke Boosey)

Publications

1. Solimine, P. and Isaac, RM. (2023). Reputation and market structure in experimental platforms. *Journal of Economic Behavior & Organization*, 205, 528-559. Elsevier.

2. Solimine, P. and Meyer-Baese, A. (2022). Input design for the optimal control of networked moments. *Proceedings of the 61st IEEE Conference on Decision and Control (CDC).* 5894-5901. IEEE.

Pre-Doctoral Publications

3. Dunkle, B., Isaac, RM., and Solimine, P. (2022). The robustness of lemons in experimental markets. *Experimental Law and Economics.* Research in Experimental Economics, Vol. 21, Emerald.

4. Solimine, PC. (2021). Network controllability metrics for corruption research. *Corruption Networks.* Understanding Complex Systems. Springer.

5. Solimine, PC. (2020). Political corruption and the congestion of controllability in social networks. *Applied Network Science* (Vol. 5, p. 23). Springer.

6. Tahmassebi, A., Mohebali, B., Meyer-Baese, L., Solimine, PC., Pinker, K., Meyer-Baese, A. (2019). Determining driver nodes in dynamic signed biological networks. *Proceedings of the SPIE: Smart Biomedical and Physiological Sensor Technology XV* (Vol. 11020, p. 110200A). SPIE.

7. Tahmassebi, A., Mohebali, B., Solimine, PC., Meyer-Baese, U., Pinker, K., Meyer-Baese, A. (2019). Model reduction of structural biological networks by cycle removal. *Proceedings of the SPIE: Smart Biomedical and Physiological Sensor Technology XV.* (Vol. 11020, p. 110200K). SPIE.

EDUCATION

Florida State University

Doctor of Philosophy, Economics 2022
Dissertation: *Economic behavior in dynamic networks*
Committee: Matthew Gentry, Luke Boosey, R. Mark Isaac, Cynthia Yang, Anke Meyer-Baese

Master of Science, Computational Science 2022
Thesis: *Optimal control for networked metrics*
Committee: Anke Meyer-Baese, Max Gunzburger, Paul Beaumont

Master of Science, Economics 2018
Bachelor of Arts, Mathematics (minor in Computer Science) 2016
Bachelor of Science, Economics (minor in Physics) 2016

TEACHING

University of British Columbia

ECON 622 Computational Economics (PhD) (instructor) 2023-
ECON 526 Mathematics for Economics (MA) (instructor) 2023-
ECON 323 Quantitative Economic Modeling and Data Science (instructor) 2022-

Florida State University

ECO 4400 Games and Decisions (instructor) 2020 (online), 2021
ECO 2023 Principles of Microeconomics (instructor) 2019
ECO 5434 Analysis of Economic Data for M.S. Applied Economics (guest lecturer) 2022

AWARDS & GRANTS

- Charles & Persis Rockwood Doctoral Research Fellowship 2017-2022
- L. Charles Hilton Center Research Fellowship 2020-2022
- FSU Open Access Publishing Grant 2020
- L. Charles Hilton Center Summer Research Fellowship 2019-2021
- FSU College of Social Sciences and Public Policy Research Support Grant 2019

CONFERENCE TALKS & PRESENTATIONS

- **2023**: International Industrial Organization Conference; UBC Econometrics Group
- **2022**: IEEE Conference on Decision and Control, UBC Econometrics Group (invited); Conference of Network Science in Economics (×2); FSU Computational Xposition; FSU Quantitative Methods Group; FSU Microeconomic Theory Group
- **2021**: Conference of Network Science in Economics; Economic Science Association Job-Market Candidates Seminar; North American Meeting of the Economic Science Association; Networks 2021 (NetSci and Sunbelt); Conference of the Southern Economic Association; FSU Experimental Group
- **2020**: NetSci 2020 (invited); Network Science in Economics; Global Meeting of the Economic Science Association; FSU Computational Xposition; FSU Experimental Group
- **2019**: Caltech Symposium in Honor of Charles R. Plott (invited); Conference of the Southern Economic Association; NetSci 2019; FSU Experimental Group

SKILLS & TECHNICAL EXPERTISE

Programming Languages	C/C#/C++, Julia, Python, R, Matlab
Software & Tools	OpenMP, MPI, Unity, zTree, oTree, Stata, UNIX/Linux
Technical Applications	Machine learning, Structural estimation, Simulation, High-performance computing, Game & experiment design, System administration, Neurocomputing, Computer vision
Spoken Languages	English (Native), German (Working)

PROFESSIONAL REFERENCES

Jesse Perla
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