Edoardo Luna

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Education

The University of Texas at Austin, PhD in Physics, 2022–present
Advisor: Dave Thirumalai
New York University, BA in Mathematics, 2022

Research Interests

Theoretical and computational statistical mechanics, non-equilibrium dynamics, biophysics, disordered systems, dynamical systems, statistical forecasting/modeling, complex systems, random matrices, statistical turbulence, phase transitions.

Experience

The University of Texas at Austin, Graduate Researcher, 2022-present

Publications

G. Froyland, D. Giannakis, **E. Luna**, J. Slawinska. "Revealing trends and persistent cycles of non-autonomous systems with autonomous operator-theoretic techniques." ***Nature Communications***, 2024. DOI: 10.1038/s41467-024-48033-6

Talks at Conferences

International Physics of Living Systems Conference, Trieste, June 2024

Teaching Experience

Physics Tutor, UT Austin, Spring & Summer 2024
Graduate Statistical Mechanics Teaching Assistant, UT Austin, Spring 2024
Graduate Computational Physics Teaching Assistant, UT Austin, Fall 2023
General Physics Teaching Assistant, UT Austin, Fall 2023
Physics Tutor, UT Austin, Summer 2023
Physics and Math Tutor/Grader, Courant Institute of Mathematical Sciences, NYU, 2020-2022

Honors and Awards

Susquehanna International Group, PhD/Postdoc Discovery Day Fellow, April 2025
UT Austin Dean's Strategic Fellowship, 2022
NYU Dean's Undergraduate Research Fund, 2020
SXSW Hackathon 2nd Place Winner, Amazon Challenge Winner, USAA $5000 Award, 2018

Outreach

UT Austin Physics Directed Reading Program Mentor, Spring 2024

Additional Information

Languages: Fluent in Spanish and English
Work Eligibility: U.S. Citizen, eligible to work in the U.S. with no restrictions