Santiago Ortolano Guisasola

s.guisasola@gmail.com

Citizenship Brazil, United States of America

Education

University of California, Irvine
Ph.D. Mathematical Behavioral Sciences, 2018
Dissertation: *Towards a Mathematical Theory of Group Creativity and Collaboration*
Committee: Donald G. Saari (chair), Louis Narens, Natalia Komarova
Jean-Claude Falmagne 2019 Dissertation Award

University of Central Florida
B.S. Pure Mathematics, 2012

Interests Coordination, group creativity, game theory, social dynamics, cultural evolution, complex systems.

Teaching Experience

University of Texas at Austin
Lecturer in Economics
ECO 420K: Microeconomic Theory (Spring 2023)

California State University, Long Beach
Lecturer in Information Systems
IS 310: Statistics for Business and Economics (Fall 2015, Fall 2016, Spring 2017)

University of California, Irvine
Graduate Teaching Associate (Lecturer) in Logic and Philosophy of Science
LPS 31: Inductive Logic (Summer 2016)
LPS 30: Intro to Symbolic Logic (Winter and Summer 2016)
LPS 29: Critical Reasoning (Fall 2015)

University of California, Irvine
Teaching Assistant (Fall 2012 - Spring 2017)
SOC SCI 3A: Computer Based Research in the Social Sciences
ECON 15A: Probability & Statistics for Economics
ECON 100B: Intermediate Economics
MATH 175: Mathematics of Finance
LPS/PHILOS 31: Inductive Logic
LPS/PHILOS 30: Intro to Symbolic Logic
ECON 13: Global Economy
LING 3: Intro to Linguistics

Additional Pedagogical Experience

Santa Fe Institute
"Hackathon" Designer (Modeling humans and social behavior with methods and approaches from complex systems science) (Fall 2023)
Program Coordinator for Complex Systems Summer School (Summer 2023)
Project Coordinator for Complexity Interactive (Winter 2022)
Teaching Fellow for Complexity Interactive (Summer 2021)
Lead Instructor for Intro to Complexity (3 semesters, 2018 - 2020)

University of California, Irvine
Mentor for Graduate Scholar Micro-Mentoring Program (2022)
Certificate in Teaching Excellence (2016)

Center for Talented Youth, Johns Hopkins University
Instructor for Mathematics of Money (Summer 2018)

Math Lab, University of Central Florida
Undergraduate Tutor (2009 - 2012)

Industry & Postdoctoral Experience

Intelligent Analytics and Modeling
Lead Researcher (Mar 2022 - Mar 2023)
Research Associate (Dec 2020 - Mar 2022)
Researcher (Jul 2020 - Dec 2020)

Instituto de Matemática Pura e Aplicada (Rio de Janeiro, BR)
Postdoctoral Fellow (2018 - 2020)

Publications, Technical Reports, & Manuscripts

The Combinatorial Structure of Social Interaction
S Guisasola, D Saari
Manuscript

With Potential Games, Which Outcome is Best?
S Guisasola, D Saari
Games, 11(3), 33. (2020)

A Documentation for Videolab, Klak, and MIDI in Unity (Technical Report)
S Guisasola
VISGRAF, Instituto de Matemática Pura e Aplicada, TR-20-04. (2020)

Awards

Jean-Claude Falmagne Ph.D. Dissertation Award (2019)

Other Academic Experience

Complex Systems Summer School (2016)
Santa Fe Institute

International Workshop on Game Theory (2014)
University of São Paulo

Game Theory Summer School (2013)
Centro di Cultura Scientifica "Alessandro Volta"

McNair Scholars Program (2011 - 2012)
University of Central Florida

ICubed Fellowship (2011 - 2012)
University of Central Florida

Summer Undergraduate Research Fellowship (Summer 2011)
University of California, Irvine

Research and Mentoring Program (2009 - 2010)
University of Central Florida

Presentations

Mathematical Modeling of Group Creativity and Collaboration (2019)
Mathematical Methods in Finance Seminar, *Instituto de Matemática Pura e Aplicada*

Influence, Roles, and Leadership in Collaboration: Some Experiments (2017)
Luce Graduate Student Conference, *University of California, Irvine*

The Emergence of Leadership (2016)
Social Dynamics Seminar, *University of California, Irvine*

The Decomposition of Games and Modeling in the Social Sciences (2016)
Mathematical Behavioral Sciences Lunch Seminar, *University of California, Irvine*

A Model of Collaboration (2016)
Luce Graduate Student Conference, *University of California, Irvine*

Listening in Improvisation: Experimental Music and Science (2015)
Luce Graduate Student Conference, *University of California, Irvine*

Signaling on a Circle and a Star (2015)
Experimental Economics Graduate Student Seminar, *University of California, Irvine*

Some Signaling Games (2015)
Social Dynamics Seminar, *University of California, Irvine*

Talkin' About Creativity (2014)
Mathematical Behavioral Sciences Lunch Seminar, *University of California, Irvine*

Complex Problems: Knowing When to Pull the Plug (2013)
Social Dynamics Seminar, *University of California, Irvine*

Jazz Improvisation (2012)
Social Dynamics Seminar, *University of California, Irvine*

The Semiclassical Limit of The One-Dimensional Focusing Nonlinear Schrödinger Equation for Compactly Supported Initial Data (2012)
Florida Undergraduate Research Conference, *Stetson University*

Cardinal Arithmetic (2011)
Summer Research Symposium, *University of California, Irvine*

Cardinal Arithmetic (2011)
McNair Scholars National Symposium, *University of California, Berkeley*

Integrable Perturbations of the Nonlinear Schrödinger Equation and its Applications to Bose-Einstein Condensation (2010)
Showcase of Undergraduate Research Excellence, *University of Central Florida*

Additional Experience

Luce Graduate Student Conference
Co-organizer (2015 - 2017)

Mathematical Behavioral Sciences Lunch Seminar
Co-organizer (2016 - 2017)

Southern California Forum for Diversity in Graduate Education
Panelist and Volunteer, Loyola Marymount University (2016)
Panelist and Volunteer, University of California, Santa Barbara (2015)

Languages

English, *fluent*
Portuguese, *fluent*
French, *intermediate*
Spanish, *intermediate*