

CITIZENSHIP	Brazil, United States of America
EDUCATION	<p><b>University of California, Irvine</b>, Irvine, California  Ph.D. Mathematical Behavioral Sciences, 2018  Dissertation: <i>Towards a Mathematical Theory of Group Creativity and Collaboration</i>  Committee: Donald G. Saari (Chair), Louis Narens, Natalia Komarova  Jean-Claude Falmagne 2019 Dissertation Award</p> <p><b>University of Central Florida</b>, Orlando, Florida  B.S. Pure Mathematics, 2012</p>
INTERESTS	Coordination, group creativity, game theory, social dynamics, cultural evolution, complex systems.
TEACHING EXPERIENCE	<p><b>University of Texas at Austin</b>  Lecturer in Economics  Microeconomic Theory (Co-lecturer, 200 students, Spring 2023)</p> <p><b>California State University, Long Beach</b>  Lecturer in Information Systems  Statistics for Business and Economics (40 students, Fall 2015 <math>\times</math> 2, Fall 2016, Spring 2017 <math>\times</math> 2)</p> <p><b>University of California, Irvine</b>  Graduate Teaching Associate (Lecturer) in Logic and Philosophy of Science  Critical Reasoning (Fall 2015)  Intro to Symbolic Logic (Winter 2016, Summer 2016)  Inductive Logic (Summer 2016)</p>
ADDITIONAL PEDAGOGICAL EXPERIENCE	<p><b>Santa Fe Institute</b>  “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)</p> <p><b>University of California, Irvine</b>  Mentor for Graduate Scholar Micro-Mentoring Program (2022)  Certificate in Teaching Excellence (2016)  Teaching Assistant (2012 - 2017)  Mathematics of Finance  Intermediate Economics  Inductive Logic  Intro to Symbolic Logic  Probability &amp; Statistics for Economics  Global Economy  Intro to Linguistics</p> <p><b>Center for Talented Youth, Johns Hopkins University</b>  Instructor for Mathematics of Money (Summer 2018)</p> <p><b>Math Lab, University of Central Florida</b>  Undergraduate Tutor (2009 - 2012)</p>
INDUSTRY & POSTDOCTORAL EXPERIENCE	<p><b>Intelligent Analytics and Modeling</b>  Lead Researcher (Mar 2022 - Mar 2023)  Research Associate (Dec 2020 - Mar 2022)  Researcher (Jul 2020 - Dec 2020)</p>

## Instituto de Matemática Pura e Aplicada

Postdoctoral Fellow (2018 - 2020)

### PUBLICATIONS, TECHNICAL REPORTS, & MANUSCRIPTS

#### **Listening in Improvisation: Coordination on Broken Networks**

S Guisasola, T Marghetis, T Williams

*Manuscript*

#### **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)

With Potential Games; Which Outcome is Best? (working paper)

The Structure of  $2 \times \dots \times 2$  Games (manuscript)

A Coordinate System for Games on Networks (manuscript)

### AWARDS

Jean-Claude Falmagne Dissertation Award (2019)

### PRESENTATIONS

Symmetries in Games: A Basis for Social Interaction (2024, upcoming)

Joint Mathematics Meetings, *San Francisco, CA*

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*

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*

### WORKSHOPS

Complex Systems Summer School (2016)

Santa Fe Institute

International Workshop on Game Theory (2014)  
Universidade de São Paulo

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

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)

STUDY ABROAD

Independent University of Moscow (Spring 2011)  
“Math in Moscow” study abroad program

Lycée Eugène Ionesco (2005 - 2006)  
High school study abroad, Issy-les-Moulineaux, France

LANGUAGES

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