Felipe Maciel Cardoso | CV

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Education

University of Zaragoza

Zaragoza, Spain

PhD Candidate in Physics

2017 - 2020 (expected)

Advisors: Prof. Yamir Moreno & Dr. Carlos Grácia Lázaro

Thesis: Strategic and Selfless interactions: A study of human behaviour

University of Campinas

Campinas, Brazil

MSc in Computer Science

2014 - 2016

Advisor: Prof. André Santanchè

Thesis: Topical Homophily in an Online Social Network

University of Campinas

Campinas, Brazil

Bachelor of Computer Science

2008 - 2012

Exchanges

ISI Foundation *Institute for Scientific Interchange*

Turin, Italy 06/2019 – 07/2019

ISI Foundation

Turin, Italy

Institute for Scientific Interchange

06/2018 - 07/2018

University of Zaragoza

Zaragoza, Spain

Six months exchange at the COSNET Lab.

09/2015-02/2016

Publications

2020 M. Jusup, **F. Maciel-Cardoso**, C. Gracia-Lázaro, C. Liu, Z. Wang, and Y. Moreno, "Behavioural patterns behind the demise of the commons across different cultures", *Royal Society Open Science*, DOI: doi.org/10.1098/rsos.201026

2020 **F. Maciel Cardoso**, C. Gracia-Lázaro, F. Moisan, S. Goyal, A. Sánchez, and Y. Moreno, "Effect of network topology and node centrality on trading", *Scientific Reports*, DOI:doi.org/10.1038/s41598-020-68094-z

2020 L. De Amicis, S. Binenti, **F. Maciel Cardoso**, C. Gracia-Lázaro, A. Sánchez, and Y. Moreno, "Understanding drivers when investing for impact: an experimental study", *Palgrave Communications*, DOI: doi.org/10.1057/s41599-020-0447-y

2020 L. Marenco, H.A. Carmona, **F. Maciel Cardoso**, J.S. Andrade Jr, and C.L. Cesar, "Time evolution of the behaviour of Brazilian legislative Representatives using a complex network approach", *PLoS ONE*, DOI: doi.org/10.1371/journal.pone.0226504

2019 F. Maciel Cardoso, S. Meloni, A. Santanche, and Y. Moreno, "Topical Alignment in Online Social Systems", *Frontiers in Physics*, DOI: doi.org/10.3389/fphy.2019.00058

Papers under review & in preparation

- **F. Maciel Cardoso**, C. Gracia-Lázaro, and Y. Moreno, "Dynamics of heuristics selection for cooperative behaviour", *under review*.
- **F. Maciel Cardoso**, S. Meloni, C. Gracia-Lázaro, A. Antonioni, José A. Cuesta, A. Sánchez, and Y. Moreno, "Framing in multiple public goods games and donation to charities", *under review*.
- o H. Ferraz de Arruda, **F. Maciel Cardoso**, G. Ferraz de Arruda, A.R. Hernández, L. da F. Costa, and Y. Moreno, "How social network algorithms can influence opinion polarization", *in preparation*.
- **F. Maciel Cardoso**, M. Jusup, C. Gracia-Lázaro, Z. Wang, A. Sánchez, and Y. Moreno, "Targets and biases: a collective-risk social dilemma between two countries", *in preparation*.

Talks

COMSOTEC20 Burgos, Spain

6th Annual Workshop on Complex Sociotechnical Systems

The selection of heuristics and the evolution of cooperation

ECREEW Santiago de Compostela, Spain

Early Career Researcheers in Experimental Economics Workshop

Indirect donations promote contributions to public goods

CCS19 NTU University, Singapore

Conference on Complex Systems

Trading in Complex Networks

BIFI 19 Zaragoza, Spain

BIFI IX National Conference 2019

Trading in Networks - Topology and Prices

CCS18 Thessaloniki, Greece

Conference of Complex Systems

Universal behavioural patterns behind the demise of the commons

COMSOTEC18 Zaragoza, España

4th Annual Workshop on Complex Sociotechnical Systems

Trading in Networks: Efficiency and Topology

Poster

COSTNET ECT Munich, Germany

COSTNET: Early Career Training Event

Trading in Complex Networks

BIFI18 Zaragoza, Spain

BIFI International Conference on Complexity, Networks and Collective Behavior Topical homophily in online social systems

COSTNET17 Mallorca, Spain

Statistical Network Science

Topical homophily in online social systems

2020

2019

2019

2018

2019

2018

2017

Schools Attended

SEMSTAT17 Eindhoven, Netherlands

Statistical Network Science 2017

NetSci-X 2015 Rio de Janeiro, Brazil

1st International School and Conference on Network Science

Employment

University of Zaragoza, Spain

Research assistant 02/2019 -

Development of platforms for socio-economic experiments. Execution and data analysis of experiments. Theoretical modelling in evolutionary game theory.

UC3M Madrid, Spain

Research assistant 02/2017 - 01/2019

Development of platforms for socio-economic experiments. Execution and data analysis of experiments.

Kaffa Mobile Campinas, Brazil

Software Engineer 10/2013 - 07/2014

Development of mobile and web applications with Java and Lua for GIS. Requirements analysis directly with stakeholders.

MC1 Campinas, Brazil

Developer 07/2012 - 10/2013

Development of applications for Android and Windows mobile devices. Training of interns.

Kaffa Mobile Campinas, Brazil

Intern 5/2011 - 06/2012

Development of applications with Java and Lua for mobile devices.

CPqD Campinas, Brazil

Intern 1/2011 - 05/2011

Web Development with Java and Javascript.

Institute Of Economics - UNICAMP Campinas, Brazil

7/2009 - 1/2011

Development of Web Applications using Java, Javascript, JSF, and SQL Server Database.

Celere IT Campinas, Brazil

Intern 4/2008 - 11/2008

Development of Web Applications with C#.NET,ASP.NET, and SQL Server Database.

John & Mark IT Solutions São José dos Campos, Brazil

Intern 1/2007 - 12/2007

Software Development with Visual Basic.NET and SQL Server.

Academic Activities

Teaching Assistant University of Campinas

Algorithms and Computer Programming

Laboratory classes, marking, assignment review, office hours, online support.

Invited Lecture University of Campinas

Database course 2015

Two Lectures about Complex Networks given to undergraduate and graduate students.

2015

2015

XI Theses and Dissertations Workshop - WTD

IC - University of Campinas

Examination Board Member

Evaluation of theses and dissertations proposals.

2016

Grants & awards

CAPES

Master Scholarship 07/2016

Microsoft Research - Open Data Scholarship

Master Scholarship 03/2016 - 06/2016

Santander International Mobility Scholarship

Mobility scholarship for 6 months exchange at University of Zaragoza 07/2015 - 02/2016

CAPES

Master Scholarship 12/2014-02/2015

IHC+CLIHC 2011

1st Place on the Evaluation Competition, Undergraduate Level. 2011

Expertise

Data Analysis: Full-Stack Big Data Analysis, Time Series Analysis, Panel Data Analysis, Dynamic

Panel Models, Data Visualization, Machine Learning Algorithms

Programing Languages: Python, R, C++, Java, Lua, C, Javascript, C#

Databases: PostgreSQL, MySQL, SQL Server, HSQLDB, SQLite

Referee experience

PLoS ONE

- o Physical Review E
- o Chaos, Solutions & Fractals
- o Journal of Statistical Mechanics: Theory and Methods
- Journal of Complex Networks

Conference Organization

BIFI18 Zaragoza, Spain

BIFI International Conference on Complexity, Networks and Collective Behavior Web design, implementation and local organization

2018

Languages

Portuguese: Native English: Fluent Spanish: Fluent