Thiago Mosqueiro

Postdoctoral Researcher at BioCircuits Institute (San Diego, Ca)

EDUCATION

UC SAN DIEGO
Internship (doctorate sandwich)
2014-2015 | San Diego, USA

UNIVERSITY OF SÃO PAULO
PhD in Physics
Title: Information processing in sensory neural networks
Institute of Physics of São Carlos
August of 2015 | São Paulo, Brazil

MS in Physics
Institute of Physics of São Carlos
Feb 2011 | São Paulo, Brazil

BS in Physics
Institute of Physics of São Carlos
December 2008 | São Paulo, Brazil

IN NUMBERS
Published papers: 5
Invited & accepted talks: 13
Conferences attended: 22
Papers reviewed: 3

SOCIAL NETWORKS

Github: **thmosqueiro**
LinkedIn: **thmosqueiro**
Twitter: **@thmosqueiro**

COURSEWORK

GRADUATE
Advanced Machine Learning
Neurodynamics
Advanced statistical inference
Statistical physics
Information theory
Advanced algorithms & data structures

UNDERGRADUATE
Applied mathematical methods
Advanced numerical analysis
Numerical linear algebra
Probability theory
Statistical inference
LaTeX & markup languages
Web-based languages

CONTACT

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Current address:
BioCircuits Institute
University of California San Diego
9500 Gilman Dr., Mail Code 0402 – La Jolla CA 92093-0402

EXPERIENCE

BIOCIRCUITS INSTITUTE
NIH postdoctoral appointment + CNPq fellow
Oct 2015 – present | University of California San Diego, CA

- Creating neural models of olfaction in insects
- Modeling pattern recognition in electronic noses
- Decision making in honeybee foraging for optimal hive performance
- Financial data wrangling and prediction

RADY SCHOOL OF MANAGEMENT
Junior Specialist
Jan – Apr 2015 | University of California San Diego, CA

- Collecting and analyzing financial data

INSTITUTE OF PHYSICS OF SÃO CARLOS
Teaching assistant
2010 – 2013 | University of São Paulo, São Carlos, SP

- Worked as teaching assistant with Dr. Francisco Alcaraz, Dr. Leonardo Maia, Dr. Rodrigo Pereira, Dr. José Abel Hoyos & Dr. Luis Nunes
- **Disciplines:** Statistical Physics, Physics 102 and Computational Physics

AWARDS

2015	Microsoft Azure Research grant
2015	CNPq PDE fellowship
2014	CAPES PSDE fellowship
2014	Selected IOP paper for novelty & impact
2013	Yvone Mascarenhas award for best TA
2012-13	USP PAE fellow (teaching assistant)
2009	Best article award (The LateX Community)

ADDITIONAL INFORMATION

2015-present	Referee for PLOS Computational Biology
2015	Participant of Brasil-USP iGEM team (gold badge)
2011-present	Developed integrated system for scientific conferences
2009-present	Open LaTeX thesis class for IFSC
2012	Developed JAQue (Joomla Academic Queries, closed source)