

Master's, Grantee CAPES

January 2013 - September 2015

- Thesis: PheroCast, Efficient Node Position Forecasting in Ad-Hoc Mobile Networks
- Professor: Lásaro Jonas Camargos

Scientific Project, Grantee FAPEMIG

January 2008 - December 2012

- Coevolution for parametrical search of bidimensional cellular automata
- Professor: Gina Maira Barbosa de Oliveira

Configuration and Programming on a Beowolf Cluster

January 2008 - January 2009

- Professor: César Almeida

Given Lectures and Courses

- *Distributed Systems*, Masters course - USI.
- *Parallel Programming using OpenMPI*, in 3th Computer journey - UFU.

SOFTWARES & CONTRIBUTIONS

- *Prismatic Labs*, Eth2.0 client
- *VertSys*, Users management in a climbing gym
- *PheroCast*, Node forecast using ant colony inspired algorithms

PUBLICATIONS

- Fast Blockchain State Synchronization via Chunked AVL Trees *Under reviewing process*
- Smart contracts on the move *50th Annual IEEE/IFIP International Conference on Dependable Systems and Networks (DSN)*
- Challenges and pitfalls of partitioning blockchains *2018 48th Annual IEEE/IFIP International Conference on Dependable Systems and Networks Workshops (DSN-W)*
- DynaStar: Quasi-Optimum Dynamic Partitioning for Scalable State Machine Replication *In 2019 IEEE 39th International Conference on Distributed Computing Systems (ICDCS)*
- Callinicos: Robust Transactional Storage for Distributed Data Structures *In 2016 USENIX Annual Technical Conference (USENIX ATC 16)*
- An Architecture for Traffic Sign Management in Smart Cities *In 2016 IEEE 30th International Conference on Advanced Information Networking and Applications (AINA) (pp. 580-587). IEEE*
- Node Position Forecast in MANET with PheroCast *In: 2014 IEEE 28th International Conference on Advanced Information Networking and Applications (AINA 2014) doi:[10.1109/AINA.2014.140]*

- Adaptive strategies applied to evolutionary search for 2D DCT cellular automata rules. *In: GECCO '11, 2011, Dublin.* Adaptive strategies applied to evolutionary search for 2D DCT cellular automata rules. New York : ACM, 2011. p. 1147-1154. doi:[10.1145/2001576.2001731]
- Some Investigations About Synchronization and Density Classification Tasks in One-dimensional and Two-dimensional Cellular Automata Rule Spaces In: Automata 2009, 2009, São José dos Campos. *15th International Workshop on Cellular Automata and Discrete Complex Systems.* Elsevier, 2009. v.1. p.209 - 230.
- Investigações sobre a tarefa da classificação da densidade em autômatos celulares bidimensionais. *Em: IX Encontro Interno e XIII Seminário de Iniciação Científica - IC2009, 2009, Uberlândia.* IX Encontro Interno e XIII Seminário de Iniciação Científica - IC2009, 2009. p. 1-10.

CONFERENCES
AND EVENTS

- 5th place in SWERC (Southwestern Europe Regional Contest), coach - Paris-FR (2018).
- 1st place in Hack the city, Orion “blockchain digital ID solution” (2017)
- 5th place in SWERC (Southwestern Europe Regional Contest), coach - Paris-FR (2017).
- 4th place in 1st Maratona Mineira de Programação, competitor - Uberlândia-BR (2012).
- 1st place in Regional Programming Contest ACM-ICPC, competitor - Uberlândia-BR (2011).
- 2nd place of the 9th Programming Contest CTBC, competitor - Uberlândia-BR (2010).
- 5th place of the 10th Programming Contest CTBC, competitor - Uberlândia-BR (2010).

KNOWN
LANGUAGES

Portuguese (native), English (well), Spanish (native), French (reasonably), Italian (reasonably).