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## Education and Employment

- Nov/14 – Present- Postdoctoral Researcher – Institute of Mathematics – Academy of Sciences of the Czech Republic
- Oct/14 – Visiting scientist at the National Laboratory for Scientific Computing (LNCC – Brazil)
- Aug/14 – Visiting scientist at Federal University of Rio de Janeiro (UFRJ - Brazil)
- Jan/14 - Jul/14: Parental Leave.
- May/11 - Dec/13: PhD Candidate at KTH - Royal Institute of Technology, Sweden
- Jul/10 - Oct/10: Visitor at the Laboratoire de Recherche en Informatique (LRI), France.
- 2009 - Nov/10: PhD Candidate at the Foundations of Computing group - Tel Aviv University, Israel.
- 2006 - 2007: MSc in Computer Science. Institut de Recherche en Informatique et Systèmes Aléatoires (IRISA - Rennes , France ).
- 2000 - 2005: BSc. in Computer Science. Federal University of Bahia Brazil). From 2002 to 2005 I worked in several research projects financed by the Brazilian Research Agency.

## Awards

- 2013 - Excellent Student Paper Award at the 8th International Symposium on Parameterized and Exact Computation (Sofia Antipolis, France)
- 2013 - Partial funding to attend the workshop on Classifying Spaces, Loop Spaces and Finiteness, Copenhagen University, Denmark
- 2006 - 6 months scholarship from the Michel Métivier Foundation (France).
- 2005 - First prize at the SBC2005 Undergraduate Research Contest promoted by the Brazilian Computer Society (SBC).

## Teaching Experience

- 2012/2013 - Course Responsible - Quantum Computing (Royal Institute of Technology)
- 2011 -Teaching Assistant - Advanced Algorithms (Royal Institute of Technology)
- 2012 - Teaching Assistant - Software Engineering (Royal Institute of Technology)
- 2012 – Teaching Assistant – Introduction to Python (Royal Institute of Technology)
- 2010 - Teaching Assistant - Quantum Computing (Tel Aviv University)
- 2009 - Teaching Assistant - Fundamental Ideas in Computer Science (Tel Aviv University)
- 2006 - Teaching Assistant - Graph Theory (Federal University Of Bahia)

## Languages

- Fluent in Portuguese, English, French and  Swedish.

## Doctoral Thesis

- M. de O. Oliveira, Combinatorial Slice Theory, PhD Thesis, KTH Royal Institute of Technology, Stockholm, Sweden, 2013, ISBN 978-91-7501-933-8.

## Refereed Publications

1. M. de O. Oliveira - An Algorithmic Metatheorem for Directed Treewidth. Journal: Discrete Applied Mathematics (In press - doi: 10.1016/j.dam.2015.10.020).

2. M. de O. Oliveira – MSO Logic and the Partial Order Semantics of Petri Nets. Accepted at the 12th International Coloquium on Theoretical Aspects of Computing (ICTAC 2015), Cali, Colombia, October 2015.

3. M. de O. Oliveira – A Slice Theoretic Approach for Embedding Problems on Digraphs. In proceeding of the 41st International workshop on Graph-Theoretic Concepts in Computer Science (WG 2015). Munich, Germany, June 2015.

4. M. de O. Oliveira - On the Satisfiability of Quantum Circuits of Small Width. In proceedings of the 10th International Computer Science Symposium in Russia (CSR 2015), July 2015. Volume 9139 of LNCS, Pages 157-172, 2015.

5. M. de O. Oliveira - Reachability in Graph Transformation Systems and Slice Languages. In proceedings of the 8th International Conf. on Graph Transformations (ICGT 2015). L'aquila, Italy, July 2015. Volume 9151 of LNCS, Pages 121-137, 2015.

6. M de O. Oliveira - Subgraphs Satisfying MSO Properties on z-Topologically Orderable Digraphs. In proceedings of the 8th International Symposium on Parameterized and Exact Computation. Sophia Antipolis, France. Volume 8246 of Lecture Notes in Computer Science, Pages 123-136, 2013.

7. M. de O. Oliveira - Canonizable Partial Order Generators. In proceedings of the 6th Conference on Language and Automata Theory and Applications. Volume 7183 of Lecture Notes in Computer Science, Pages 445-457, 2012.

8. M. de O. Oliveira - Hasse Diagram Generators and Petri Nets. Journal: Fundamenta Informaticae 105:3 pages 263-289. 2010. A preliminary version appeared in the 30th conference on Applications and Theory of Petri Nets, volume 5606 of Lecture Notes in Computer Science, pages 183203. Springer, 2009.

9. M. de O. Oliveira, F. Greve - A New Refinement Procedure for Graph Isomorphism Algorithms. In proceedings of the 2nd Brazilian Symposium on Graphs Algorithms and Combinatorics (GRACO), Electronic Notes in Discrete Mathematics, v. 19 p. 373-379, 2005.