

Jandson Santos Ribeiro Santos

Curriculum Vitæ

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EDUCATION

PhD Candidate, Computer Science (submitted August 2019)

Macquarie University and University of São Paulo under a Cotutelle agreement

Thesis Title: Belief Change without Compactness

Thesis supervisors: Professor Abhaya Nayak and Professor Renata Wassermann

M.S, Computer Science 2014-2016

Federal University of Bahia

Thesis Title: A Solution for Refinement of KMTSs Based on Model Checking Games

Thesis supervisor: Professor Aline Andrade

Bachelor of Computer Science 2009-2014

Federal University of Bahia

Thesis Title: Implementation of KMTS Model Refinement Based on Model Checking Games

Advisor: Professor Aline Andrade

PUBLICATIONS

Journals:

- Jandson S. Ribeiro, Abhaya Nayak and Renata Wassermann. Belief Change without Compactness. Artificial Intelligence Journal (AIJ). (*Paper invited for fast track publication, in preparation*)

Conference Full Papers:

- Jandson S. Ribeiro, Abhaya Nayak and Renata Wassermann. [Belief Update without Compactness in Non-finitary Languages](#). In 28th International Joint Conference on Artificial Intelligence (IJCAI-19): 1858-1864. Macao, China, 10th - 16th August, 2019.
- Jandson S. Ribeiro, Abhaya Nayak and Renata Wassermann. [Belief Change and Non-monotonic Reasoning sans Compactness](#). In 33rd AAAI Conference on Artificial Intelligence: 3019-3026. Honolulu, USA, 27th January - 1st February, 2019.
- Jandson S. Ribeiro, Abhaya C. Nayak and Renata Wasserman. [Towards Belief Contraction without Compactness](#). In International Conference on Principles of Knowledge Representation and Reasoning (16th KR): 287-296. Arizona, USA, 30th October - 2nd November, 2018. (*awarded the prestigious Marco Cadoli Distinguished Student paper Prize*)
- Jandson S. Ribeiro and Aline Andrade, [A 3-Valued Contraction Model Checking Game: Deciding on the World of Partial Information](#). In International Conference on Formal Engineering Methods (17th ICFEM): 84-99. Paris, France, 3rd-5th November, 2015.

Extended Abstracts:

- Jandson S. Ribeiro and Renata Wassermann, CTL Model Revision. In the 18th Brazilian Logic Conference (EBL 2017): 93. Pirenópolis, Brazil, 8th-12th May, 2017.

PRIZES AND AWARDS

Computing HDR Research Excellence Award. Macquarie University, 2019.

[Marco Cadoli Distinguished Student Paper Prize](#), KR 2018.

Due to paper: Jandson S. Ribeiro, Abhaya Nayak, Renata Wassermann: Towards Belief Contraction without Compactness. KR 2018.

SCHOLARSHIPS AND GRANTS

PhD Scholarship 03/2016 - present

Research Foundations:

Macquarie University 09/2017 - present

CAPES Foundation within the Brazilian Government's Ministry of Education 03/2016 - 08/2017

Master Scholarship 06/2014 - 02/2016

Research Foundation: FAPESB

Project Title: A Solution for Refinement of KMTSs Based on Model Checking Games

Grants

Macquarie University Postgraduate Research Fund (PGRF) January-2019

Research Foundation: Macquarie University

Description: funding for activities that add value to the PhD project

Value: AUD 5,000.00 (maximum)

IJCAI-19 Student Travel Grant (Macau, China)

KR-18 Student Travel Grant (Arizona, USA)

Undergraduate Grants

Scientific Initiation Grant 08/2013 - 01/2014

Research Foundation: Federal University of Bahia (UFBA)

Project: Service Bus Architecture as an infrastructure for the Web of Things

Scientific Initiation Grant 08/2012 - 07/2013

Research Foundation: CNPq

Project: Providing Several Levels of Interoperability in a Service-Oriented Architecture for Collaborative Systems

Scientific Initiation Grant 02/2011 - 07/2011

Research Foundation: CNPq

Project: States of equilibrium in non-hyperbolic dynamics

PRESENTATIONS

Invited Talks

On Compactness and Belief Update, Knowledge Representation and Reasoning Conventicle. School of Computer Science and Engineering, UNSW. Sydney, March, 2019.

Towards Belief Contraction without Compactness, Computing HDR Seminar for Research Excellence. Department of Computing, Macquarie University. Sydney, November, 2018.

Conference Presentations

Belief Update without Compactness in Non-finitary Languages, 28th International Joint Conference on Artificial Intelligence, August, 2019.

Belief Change and Non-monotonic Reasoning sans Compactness, 33rd AAAI Conference on Artificial Intelligence, January, 2019. (*a limited number of talks was selected for presentation*)

Towards Belief Contraction without Compactness, International Conference on Principles of Knowledge Representation and Reasoning (16th KR), October, 2018. (*plenary presentation*)

CTL Model Revision, XVIII Brazilian Logic Conference (EBL). Pirenópolis, Brazil, May, 2017.

Poster Sessions

Belief Dynamics without Compactness, Macquarie University Computing Industry Networking Event. Sydney, Australia, November, 2018.

Belief Dynamics without Compactness, Doctoral Consortium of the 16th International Conference on Principles of Knowledge Representation and Reasoning. Arizona, USA, October, 2018.

REVIEWER

The 16th European Conference on Logics in Artificial Intelligence (JELIA), May, 2019.

The 7th Brazilian Conference on Intelligent Systems (BRACIS), October, 2018.

LANGUAGES

English: proficient

French: DELF B1

Portuguese: mother-tongue

GRADUATE TEACHING ASSISTANT

Macquarie University, Australia

Unit:

Database Systems

08/2018 - 11/2018

Activities:

Conduct tutorials

Conduct practical session (laboratory)

Students consultation
Marking in-class tests and part of the final exams
Assist in final exam design

University of São Paulo, Brazil**Units:**

Introduction to Computer Programming	03/2017 - 07/2017
Introduction to Logic and Formal Verification	08/2016 - 12/2016

Activities:

Conduct group and individual tutorial sessions
Assist in the design of exercises and practical activities
Conduct practical sessions (laboratory)
Mark assignments
Student consultation
Assist with the application of exams

Federal University of Bahia, Brazil**Unit:**

Theory of Computation	08/2014 - 12/2014
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Activities:

Conduct classes
Students consultation

UNDERGRADUATE TEACHING ASSISTANT

Federal University of Bahia, Brazil**Units:**

Theory of Computation	11/2012 - 04/2013
Formal Languages and Automata	08/2011 - 12/2011
Introduction to Formal Languages and Theory of Computation	03/2011 - 07/2011
Introduction to Computer Programming	08/2010 - 12/2010

Activities:

Student consultation
Assist students with practical laboratory activities

REFEREES

Dr. Renata Wassermann

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Computer Science Department
University of São Paulo, Brazil
email: renata@ime.usp.br*

Dr. Abhaya Nayak

*Associate Professor
Department of Computing
Macquarie University, Australia
email: abhaya.nayak@mq.edu.au*