

# Jandson Santos Ribeiro Santos

*Curriculum Vitæ*

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## EDUCATION

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**PhD Candidate, Computer Science** 2016-present

*Macquarie University and University of São Paulo under a Cotutelle agreement*

Thesis Title: Belief Change for Non-Compact Logics

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

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### 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). Macao, China, 10th - 16th August, 2019. (forthcoming)
- Jandson S. Ribeiro, Abhaya Nayak and Renata Wassermann. Belief Change and Non-monotonic Reasoning sans Compactness. In 33rd AAAI Conference on Artificial Intelligence. Honolulu, USA, 27th January - 1st February, 2019. (forthcoming)
- 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). 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). 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). Pirenópolis, Brazil, 8th-12th May, 2017.

## PRIZES AND AWARDS

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[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

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### 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

### HDR 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)

### 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

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### 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 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

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

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

## LANGUAGES

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**English:** proficient

**French:** DELF B1

**Portuguese:** mother-tongue

## GRADUATE TEACHING ASSISTANT

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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

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**UNDERGRADUATE TEACHING ASSISTANT**

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**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

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**REFEREES**

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**Dr. Renata Wassermann**

*Associate Professor  
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*

**Dr. Aline Andrade**

*Full Professor  
Computer Science Department  
Federal University of Bahia  
email: aline@ufba.br*