

Thiago Serra

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EDUCATION

Ph.D.	<i>Operations Research</i>	Carnegie Mellon University Advisor: John Hooker	2018 (Exp.)
M.S.	<i>Operations Research</i>	Carnegie Mellon University	2015
M.S.	<i>Computer Science</i>	University of Sao Paulo Advisor: Yoshiko Wakabayashi	2012
B.S.	<i>Computer Engineering</i>	University of Campinas	2009
	<i>Certificate of Studies Abroad</i>	IST, University of Lisbon	2007

PROFESSIONAL APPOINTMENTS

2016, 2017	<i>Summer Intern</i>	Mitsubishi Electric Research Labs, USA
2009–2013	<i>Operations Research Analyst</i>	PETROBRAS, Brazil
2008–2009	<i>Operations Research Consultant</i>	Neolog Consulting, Brazil
2008–2008	<i>Software Engineer</i>	Metacortex Consulting, Brazil
2007–2007	<i>Software Engineering Intern</i>	Daitan Labs, Brazil
2003–2004	<i>R&D Intern</i>	Fiberwork Optical Communications, Brazil

PUBLICATIONS

“*The Offshore Resources Scheduling Problem*”, with G. Nishioka, and F. Marcellino, CP 2012.

Under Review

“*Compact Representation of Near-Optimal Integer Programming Solutions*”, with J. Hooker.

Working Papers

“*Lift-and-Project Separation through Reverse Polar Normalization*”.

Winner of the INFORMS 2016 poster competition.

“*On Checking the Regularity of Lift-and-Project Cuts from Non-Split Disjunctions*”, with E. Balas.
In preparation.

[Undisclosed Title (Non-Disclosure Agreement)], with D. Bergman, J. Hooker, and A. Raghunathan.
In preparation.

“*Branching with Less Repetition*”.

[Undisclosed Title (Non-Disclosure Agreement)], with D. Bergman and A. Raghunathan.

AWARDS AND HONORS

2016 INFORMS Annual Meeting Interactive Presentation Award First Place Winner

2016 INFORMS Judith Liebman Award for Student Chapter Service

2012 Brazilian Symposium on Operations Research Best Paper Runner-up

Undergraduate Distinctions

2009 Brazilian Computing Society Outstanding Student Award

2009 Sao Paulo Institute of Engineering Award

2009 Sao Paulo Regional Board of Engineering, Architecture, and Agronomy Honorable Mention

2004, 2005, 2007 ACM International Collegiate Programming Contest South America Bronze Medal

2006 Portuguese National Programming Contest (MIUP) Third Place

2003 Brazilian Olympiad in Informatics Gold Medal

FELLOWSHIPS, GRANTS, AND SCHOLARSHIPS

2017 MIP Workshop Travel Support

2017 Carnegie Mellon Graduate Student Conference Funding

2013–2017 William Larimer Mellon Fellowship

2015–2017 Tepper School of Business OR Conference Budget

2015 Tepper School of Business Dean’s Fund

2006–2007 Luso-American Development Foundation Scholarship

2004–2005 Sao Paulo Res. Fndn. Undergraduate Res. Grant

2003–2004 Sao Paulo Res. Fndn. Innovative Res. in Small Business Grant

INVITED PRESENTATIONS

June 2017 Northeastern University, USA

Host: Rozhin Doroudi

May 2013 University of Campinas, Brazil

Host: Alan Godoy S. Mello

CONFERENCE PRESENTATIONS

Talks

INFORMS Annual Meeting 2012, 2015, 2016, 2017
INFORMS Computing Society Conference 2017
INFORMS Optimization Society Conference 2016, 2018
MOPTA 2016
CP 2012
CPAIOR 2011

Posters

MIP 2016, 2017
NemFest 2017
INFORMS Annual Meeting 2016

TEACHING EXPERIENCE

Instructor

Fall 2016 *Mathematical Models for Consulting* **Carnegie Mellon University, Undergraduate**
Registered: 25 Overall Teaching: 4.67 / 5.00 Overall Evaluation: 4.50 / 5.00

Recitation Leader

Spring 2017 *Optimization* **Carnegie Mellon University, MBA**
Spring 2016 *Optimization* **Carnegie Mellon University, MBA**

Office Hours

Spring 2016 *Disjunctive Programming* **Carnegie Mellon University, PhD**
Fall 2016 *Optimization* **Carnegie Mellon University, MBA**
Fall 2016 *Applications of Operations Research* **Carnegie Mellon University, MBA**

TEACHING TRAINING

Future Faculty Program **Eberly Center, Carnegie Mellon University** 2017
Teaching Effectiveness Colloquium **INFORMS** 2016, 2017
Language and Culture for Teaching **ICC, Carnegie Mellon University** 2013

ACADEMIC SERVICE

Session Organizer

2017 INFORMS Annual Meeting: *“Decision Diagrams for Optimization”*

2017 INFORMS Computing Society Conference: *“New Paradigms for Cut Generation”*

2016 INFORMS Optimization Society Conference: *“New Paradigms for Cut Generation”*

2012 INFORMS Annual Meeting: *“Applications in the Energy Sector of Emerging Countries”*

Peer Review

CP 2016, 2017

CPAIOR 2017

AAAI-17

Leadership and Volunteering

2017–	<i>Member</i>	INFORMS Education Strategy Committee
2016–	<i>Mentor for Grad School Applicants</i>	Brazilian Students Association (BRASA)
2017–	<i>Consulting Board Member</i>	CMU INFORMS
2015–2017	<i>President</i>	CMU INFORMS
2014–2015	<i>Co-Founder, Secretary</i>	CMU INFORMS
2015	<i>Twitter Curator</i>	ISMP
2012, 2014–	<i>Contributor</i>	INFORMS Annual Meeting Blog

LANGUAGES

Portuguese (native)

English (fluent)

PROFESSIONAL MEMBERSHIPS

2012– INFORMS

2015– SIAM

REFERENCES

Available upon request.