

# TIAGO JANUARIO, PH.D.

## PERSONAL INFORMATION

*address* Lecturer, Boston University  
Greater Boston, Massachusetts, USA  
*hangouts* [januarioccp@gmail.com](mailto:januarioccp@gmail.com)  
*profiles* [Scholar](#) · [Lattes](#) · [dblp](#) · [GitHub](#) · [LinkedIn](#)

## EDUCATIONAL BACKGROUND

*Ph.D. in Computer Science*  
2011-2015 Universidade Federal de Minas Gerais (UFMG)  
School: Computer Science · *Combinatorial Optimization*  
Thesis: *Edge coloring approaches to round-robin tournament scheduling problems*  
Advisor: Sebastián URRUTIA · [sebastian.a.urrutia@himolde.no](mailto:sebastian.a.urrutia@himolde.no)

*Master in Computer Science*  
2009-2011 Universidade Federal de Minas Gerais (UFMG)  
School: Computer Science · *Graph Theory*  
Thesis: *Design and Analysis of Algorithms for Graph Edge Coloring*  
Advisor: Sebastián URRUTIA · [sebastian.a.urrutia@himolde.no](mailto:sebastian.a.urrutia@himolde.no)

*Bachelor in Computer Science*  
2005-2009 Universidade Federal de Viçosa (UFV)  
School: Computer Science · *Scheduling problems*  
Thesis: Metaheuristics for Flowshop and Jobshop scheduling problems.  
Advisor: Prof. José E. C. ARROYO · [jarroyo@dpi.ufv.br](mailto:jarroyo@dpi.ufv.br)

## POSITIONS HELD

2023 - *t oday* Lecturer, Boston University (BU), USA  
2020 Visiting Researcher, Universidade Federal da Paraíba, (UFPB), Brazil  
2018-2022 Tenured Assistant Professor, Universidade Federal da Bahia, (UFBA), Brazil  
2015-2018 Auxiliar Professor, Universidade Federal da Bahia, (UFBA), Brazil

## SKILLS AND PROJECTS

*C/C++* A novel neighborhood structure for sport scheduling problems  
*Bitwise operations* Efficient edge coloring implementations based on Vizing's Theorem  
*Python* A Teaching Assistant Allocator based on the Stable Marriage Problem

*Soft Skills* Problem Solving · Resourcefulness · Responsibility · Receptiveness

## TEACHING

2023 - *today* **BOSTON UNIVERSITY**  
Introduction to Programming  
Probability in Computing  
Introduction to Analysis of Algorithms

2015 - 2022 **UNIVERSIDADE FEDERAL DA BAHIA**  
Data Structures  
Design and Analysis of Algorithms  
Formal Languages and Automata Theory  
Graph Theory  
Graph Data Structures and Algorithms  
Introduction to Computer Science  
Introduction to Probability  
Programming with Fortran  
Linear Programming

## ADMINISTRATIVE WORK

2022	Diversity and Inclusion Committee
2021	Institute of Computing Regulation Committee
2020	Committee on Remote Teaching
2018-2019	Undergraduate Course Coordinator
2016-2017	Graduate Admissions Committee
	Graduate Curriculum Committee
	Hiring Committee

## SELECTED PUBLICATIONS

<i>Knowledge-Based Systems</i>	Jun 2022	<b>An efficient algorithm for isometrically embedding weighted trees into low-dimensional <math>\ell_\infty</math>-normed spaces</b> Authors: Jonathan. QUEIROZ, Tiago JANUARIO
<i>Theoretical Computer Science</i>	Jul 2021	<b>Recoloring subgraphs of <math>K_2</math> for Sports Scheduling</b> Authors: Dominique DE WERRA, Sebastián URRUTIA, Tiago JANUARIO
<i>European Journal of Operational Research</i>	Oct 2016	<b>Edge coloring: A natural model for sports scheduling</b> Authors: Tiago JANUARIO, Sebastián URRUTIA, Celso C. RIBEIRO, Dominique DE WERRA
<i>Discrete Applied Mathematics</i>	Oct 2016	<b>Sports scheduling search space connectivity: A riffle shuffle driven approach</b> Authors: Tiago JANUARIO, Sebastián URRUTIA, Dominique DE WERRA
<i>Computers &amp; Operations Research</i>	Jun 2016	<b>A new neighborhood structure for round robin scheduling problems</b> Authors: Tiago JANUARIO, Sebastián URRUTIA

## OTHER INFORMATION

<i>Languages</i>	PORTUGUESE · Native ENGLISH · Fluent
<i>Scientific Referee</i>	Computers & Industrial Engineering Journal of Heuristics Computers & Operations Research Discrete Optimization European Journal of Operational Research INFORMS Journal of Computing International Transactions in Operational Research Knowledge-Based Systems
<i>Awards</i>	Microsoft Azure Research Award - 2014 Full Capes Ph.D. Scholarship - 2011 Best Undergraduate Work - 2008

August 7, 2023