Reynier Hernández Torres, Ph.D.



FUNDING AGENCY Fundação de Amparo à Pesquisa do Estado de São Paulo (FAPESP) - Level 5 - Technical Training Fellowship

integrated with geolocation and mobile devices.

2017 2018	Associate Researcher, Esportes Company Tecnologia Esportiva, Campinas, São Paulo, Brazil. Project: Development of techniques for automatic identification of highlights in society soccer
FUNDING AGENCY	FAPESP - Level 5 - Technical Training Fellowship
2012 2013	Researcher, Polytechnical Institute of the State University of Rio de Janeiro (IPRJ-UERJ), Nova Friburgo, Rio de Janeiro, Brazil. Project: Intelligent Computational Methods for Direct and Reverse Problem Solving in Biotechnological Processes
FUNDING AGENCY	Coordenação de Aperfeiçoamento de Pessoal de Nível Superior (CAPES)
	Teaching Experience
2007 2013	Assistant Professor , <i>CUJAE</i> , Havana, Cuba. Introduction to Computing (C) Programming (C++)
	Project in Automation Engineering (C++, MatLab) Virtual Instrumentation (LabVIEW)
	Technological Processes (Industrial Automation) Coordination of teaching processes and university extension of the second
	year of the Automation Engineering course (2010–2011, 2011–2012)
2007 2010	Instructor, CUJAE, Havana, Cuba. Introduction to Computing (C) Programming (C++)
2002	Project in Automation Engineering (C++, MatLab) Volunteer, CUJAE, Havana, Cuba.
2007	Introduction to Computing (C) Programming (C++)
	Other courses
2019	Deep Learning with Python , Geoambiente Sensoriamento Remoto Ltda., São José dos Campos, São Paulo, Brazil.
2015	Metaheuristics with Opposition Based Computing for solving Inverse Problems, IX Summer School of the Associated Laboratory of Computating and Applied Mathematics (ELAC) - INPE, São José dos Campos, São Paulo, Brazil.
	Lecture in the Inverse Problems mini-course - Dr. Haroldo Fraga de Campos Velho
	Awards
2009	Award - Exposición Nacional de las Brigadas Técnicas Juveniles (BTJ), Havana, Cuba.
	Languages

Spanish Native Born in Cuba

Portuguese Fluent Living in Brazil since 2012

English Advanced Intermediate Good Understanding, Medium Speaking, Good

Writing

French Basic Diplôme d'Études en Langue Française (DELF) - A2

Alliance Française de La Havane

Skills

Computer Sciences Operations research, Compilation, Graph Theory, Data analysis

Development C, C++, Fortran, MATLAB, LabVIEW, Java, Android, VHDL,

languages Python, Shell/bash

Web development HTML, CSS, JavaScript, Django, Spring, Angular, Bootstrap

Database MySQL, PostgreSQL

Computer Vision OpenCV, PIL

Machine learning tools Tensorflow, Keras, Pytorch, Microsoft Cognition Toolkit, Sklearn

Programming Object oriented programming, Test driven development, Agile methodology

paradigms

Collaboration work Version control: git, Continuous integration: Jenkins

Edition T_EX, LaT_EX, pdfLaT_EX, X_FT_EX, LuaT_EX, PGF/TikZ, LibreOffice, Microsoft

Office, Adobe Photoshop, Inkscape, GIMP

Statistics, Linear Regression, Monte Carlo Simulation, Differential & Inte-Mathematics

gral Calculus, Mathematical Modeling

Engineering & desing NASTRAN, PATRAN, AutoCAD

Research Interests

- COMPUTING Deep learning in Computer Vision
 - Machine learning
 - Stochastic Optimization in Smart Cities

AUTOMATION • Robotic

- Digital Control

Participation In Events

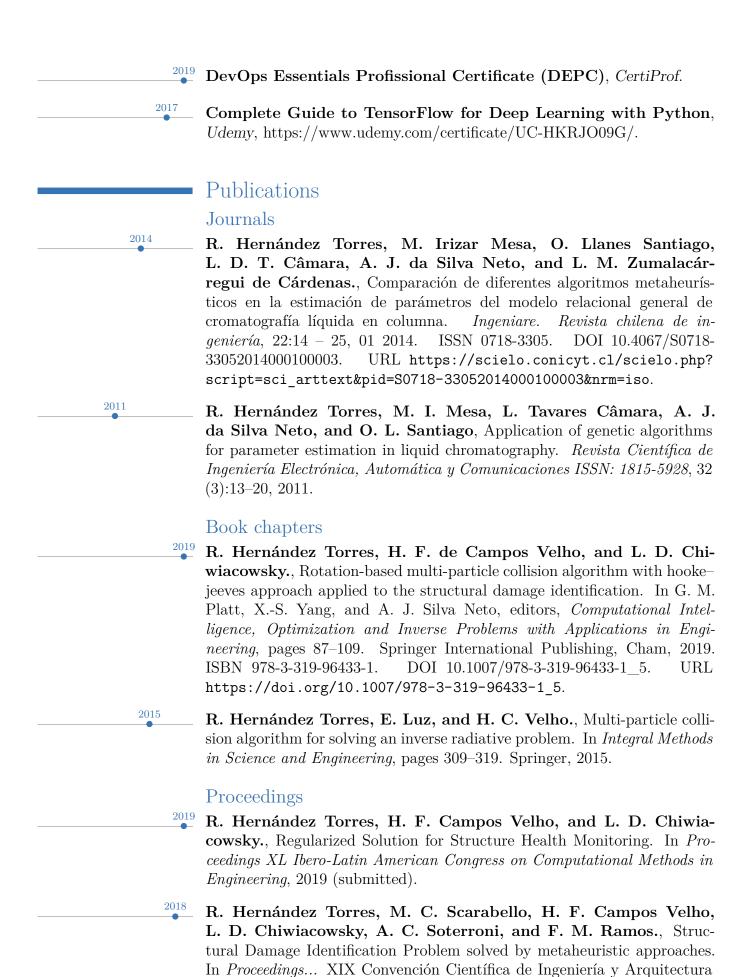
2018

XVII EPGMET - Encontro dos alunos de pós-graduação em meteorologia do CPTEC/INPE, Cachoeira Paulista, São Paulo, Brazil.

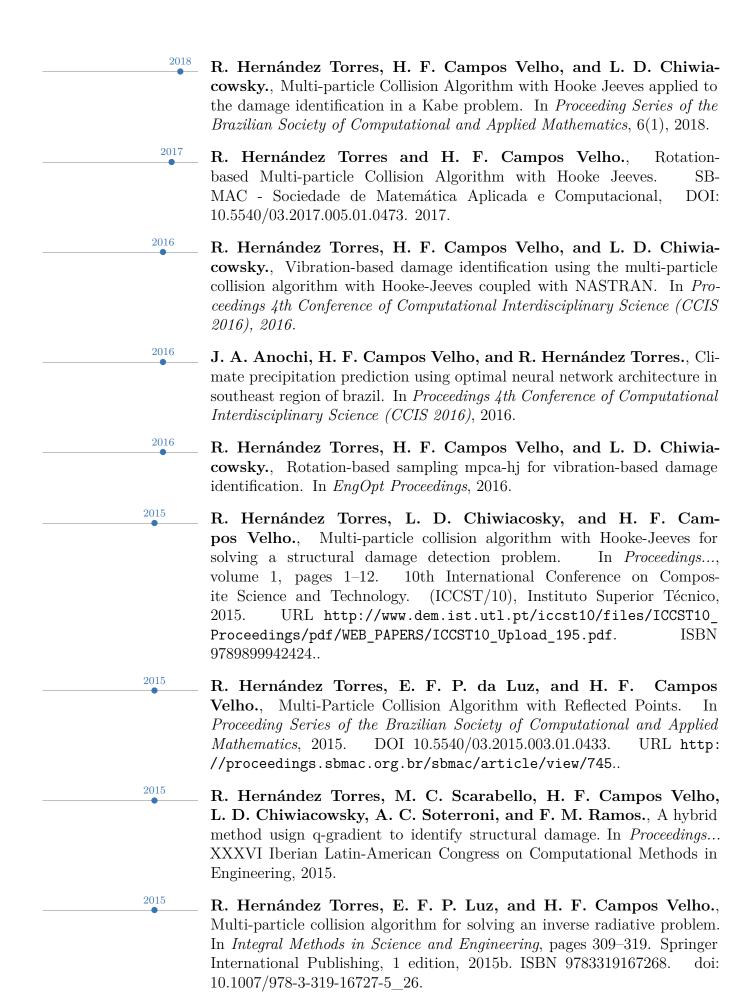
2017

XXXVII Congresso Nacional de Matemática Aplicada e Computacional (CNMAC 2017), São José dos Campos, São Paulo, Brazil.

2016	XXXVI Congresso Nacional de Matemática Aplicada e Computacional (CNMAC 2016), Gramado, RS, Brazil.
2016	4th Conference of Computational Interdisciplinary Science (CCIS 2016), São José dos Campos, São Paulo, Brazil.
2016	5th International Conference on Engineering Optimization (EngOpt 2016), Foz de Iguaçu, Paraná, Brazil.
2016	XXXVI Congresso Nacional de Matemática Aplicada e Computacional, $\operatorname{Brazil}.$
2015	10th International Conference on Composite Science and Technology (ICCST/10), Lisbon, Portugal.
2015	XXXVI Ibero-Latin American Congress on Computational Methods in Engineering, Rio de Janeiro, Brazil.
2014	XXXV Congresso Nacional de Matemática Aplicada e Computacional, Natal, RN, Brazil.
2011	XIV International Convention and Fair Informática 2011. X Simposio Internacional de Automatización, Havana, Cuba.
	Event Organization
2016	4th Conference of Computational Interdisciplinary Science (CCIS 2016), INPE, São José dos Campos, São Paulo, Brazil. Member of the Organizing Committee http://www.lac.inpe.br/ccis2016/.
2016	XVI Workshop de Computação Aplicada (WorCAP 2016), INPE, São José dos Campos, São Paulo, Brazil. Member of the Organizing Committee http://www.lac.inpe.br/worcap2016/.
2015	XV Workshop de Computação Aplicada (WorCAP 2015), INPE, São José dos Campos, São Paulo, Brazil. Member of the Organizing Committee http://www.lac.inpe.br/worcap2015/.
2014	XIV Workshop de Computação Aplicada (WorCAP 2014), INPE, São José dos Campos, São Paulo, Brazil. Member of the Organizing Committee http://www.lac.inpe.br/worcap2014/.
	Certificates
2019	Computer Vision and Image Analysis, edX .
2019	Google Maps Platform Tech, Google.
2019	Scrum Foundation Professional Certificate (SFPC), CertiProf.



(CCIA 19), 2018.





References

Luis Manuel Garcés Socarrás

Titular Professor

Department of Automation and Computing, Faculty of Automatic and Biomedical Engineering, CUJAE

Havana, Cuba

\text{\text{\$\alpha\$} http://lattes.cnpq.br/2461031909074992}

☑ lmgarcess@automatica.cujae.edu.cu

Haroldo Fraga de Campos Velho

Senior Researcher

Associate Laboratory for Computing and Applied Mathematics (LABAC), INPE

São José dos Campos, SP, Brazil

\text{\text{\$\alpha\$} http://lattes.cnpq.br/5142426481528206}

 \square haroldo.camposvelho@inpe.br

Reinaldo R. Rosa

Titular Researcher & Full Professor

Associate Laboratory for Computing and Applied Mathematics (LABAC), Computational Space Physics Group, INPE

São José dos Campos, SP, Brazil

http://lattes.cnpq.br/2840176439889517

oxdot reinaldo.rosa@inpe.br

Leonardo Dagnino Chiwiacowsky

Adjunct Professor

University of Caxias do Sul

Caxias do Sul, RS, Brazil

♠ http://lattes.cnpq.br/2945278651389111

 $oxedsymbol{\square}$ ldchiwiacowsky@ucs.br

Juliana Aparecida Anochi

Research Technologist

Center for Weather Forecast and Climatic Studies (CPTEC), INPE

Cachoeira Paulista, SP, Brazil

\text{\alpha} \text{ http://lattes.cnpq.br/2720072834057575}

☑ juliana.anochi@inpe.br