Diogo Carbonera Luvizon

Ph.D. Candidate (last year)

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Birth: 14^{th} April 1989, Piraju (Brazil)

Research Experience

2015–today	**Ph.D. in Science of Information and Communication**, University Paris-Seine / University of Cergy-Pontoise, France.
April–July/ 2015	**Exchange of research**, QoSTREAM project, Faculty of Technical Sciences – University of Novi Sad, Serbia.
2013–2015	**M.Sc. in Applied Computing**, Vehicle speed estimation by License plate detection and tracking, Federal University of Technology (UTFPR), Brazil.
2009–2010	**Academic Internship**, Prototyping and Tooling Group (NUFER), Federal University of Technology, Brazil.

Professional Experience

2011–2014	**Development Engineer at Ensitec Tecnologia**. Working on development engineering for a broad range of electronic products and systems, from ultra-low power projects to applications using image processing and computer vision algorithms.
2010–2011	**Trainee Engineer at Velsis**. Development of electronic equipments for vehicle speed measurement systems.

Education

2013–2015	**M.Sc. in Applied Computing**, Federal University of Technology, Brazil.
2007–2011	**Electronic Engineering**, emphasis on Electronics and Telecommunications, Federal University of Technology, Brazil.

Languages

Portuguese	Native proficiency
English	Professional working proficiency
French	Professional working proficiency (3 years living in France)

Publications

International Journals

[1] Diogo Carbonera Luvizon, Hedi Tabia, and David Picard. Learning features combination for human action recognition from skeleton sequences. *Pattern Recognition Letters*, 99:13 – 20, 2017.

[2] D. C. Luvizon, B. T. Nassu, and R. Minetto. A Video-Based System for Vehicle Speed Measurement in Urban Roadways. *IEEE Transactions on Intelligent Transportation Systems (ITS)*, PP(99):1–12, 2016.

[3] Neri Volpato, Alexandre Franzoni, Diogo C. Luvizon, and Julian M. Schramm. Identifying the Directions of a set of 2D Contours for Additive Manufacturing Process Planning. *The International Journal of Advanced Manufacturing Technology*, 68(1-4):33–43, 2013.

International Conferences

[1] Diogo C. Luvizon, David Picard, and Hedi Tabia. 2d/3d pose estimation and action recognition using multitask deep learning. In *The IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, June 2018.

[2] D. C. LUVIZON, B. T. NASSU, and R. MINETTO. Vehicle speed estimation by license plate detection and tracking. In *XXIX SIBGRAPI - Conference on Graphics, Patterns and Images*, 2016. **1st prize** on the Workshop of Theses and Dissertations.

[3] D. C. LUVIZON, B. T. NASSU, and R. MINETTO. Medição da velocidade de veículos por detecção e rastreamento da placa. In *XLII Conferencia Latinoamericana de Informática (CLEI)*, 2016. **2o lugar** no XXII Concurso Latinoamericano de Tesis de Maestría.

[4] D.C. Luvizon, B.T. Nassu, and R. Minetto. Vehicle Speed Estimation by License Plate Detection and Tracking. In *Acoustics, Speech and Signal Processing (ICASSP), 2014 IEEE International Conference on*, pages 6563–6567, May 2014.

Patents

[1] DIOGO C. LUVIZON, RODRIGO MINETTO, and B. T NASSU. Sistema para Medição de Velocidade Instantânea e Média de Veículos por Reconhecimento de Padrões em Imagens e Vídeos Digitais. INPI - Instituto Nacional da Propriedade Industrial, Registro No. BR10201503191, 2015 (Brazil, in portuguese).

Master's Thesis

[1] Diogo Carbonera Luvizon. Vehicle Speed Estimation by License Plate Detection and Tracking. Master's thesis, Federal University of Technology – Parana, Brazil, July 2015.