Diogo Carbonera Luvizon

Ph.D. Student (last year)

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Birth: 14th April 1989, Piraju (Brazil)

Research Experience

2015–today	**Ph.D. in Computer Vision and Machine Learning**, 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	**R&D Engineer at Ensitec Tecnologia**. Working on R&D for a broad range of electronic products and systems, from ultra-low power projects using microcontrollers, to complex system based on 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	**Electronics Engineering**, emphasis on Electronics and Telecommunications, Federal University of Technology, Brazil.

Languages

Portuguese	Native speaker
English	Fluent
French	Fluent

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] Diogo C. Luvizon, Bogdan T. Nassu, and Rodrigo 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] Diogo C. Luvizon, Bogdan T. Nassu, and Rodrigo 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.

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.