CURRICULUM VITAE

Name: Giambelluca, Francisco Luis

Job Address: Group of Control Applications (GCA)

Institute LEICI of Electronics, Instrumentation, Control and Signal Processing

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1. Educational Record

Engineer in Electronics, National University of La Plata (UNLP), Argentina. 2018.

2. Current Teaching/Research Position

Teaching Assistant in National University of La Plata (UNLP), Argentina.

Ph.D. Student, fellow of National University of La Plata (UNLP), Argentina.

3. Awards

Awarded with the "Dardo Rocha" from the Municipality of La Plata. 2009. (Prize yearly awarded to best average at third year of High School).

4. Teaching Experience

Digital circuits and microprocessors; Electronics Devices; Digital image Processing; Machine Learning; Big Data.

5. Research Experience

My main research interest is the artificial intelligence, in particular, aplied to digital image processing.

6. I&D Projects

(2017-2019) Applied Research "Microtechnologies and New Resources of Digital Systems" (11 / I212) at Facultad de Ingeniería, UNLP8. Staff/Student Supervision

7. Postgraduate courses

Subject: PH526x: Using Python for Research.
Location: Harvard, Edx Platform.
Year / Semester: 2020 / 1st Semester.

Total duration: 48 hours
Approval certificate: Yes
Certificate code: c819ca068bbb453c80023a3a8ceab5e6

Subject: Level 1: Introduction to remote sensing.
Place: National Commission for Space Activities (CONAE).
Year / Semester: 2020 / 1st Semester.
Total duration: 25 hours
Approval certificate: Yes
Certificate code: kNwIySMSIP

Subject: Machine Learning. Applications in Data Mining and Deep Learning.
Teachers: Dr. Franco Ronchetti and Dr. Alejandro Rosete
Place: National University of La Plata.
Year / Semester: 2020 / 1st Semester.
Total duration: 40 hours
Attendance certificate: Yes

Subject: ML0101SP: Machine Learning with Python: A Practical Introduction.
Location: IBM, Edx Platform.
Year / Semester: 2019 / 2nd Semester.
Total duration: 30 hours
Approval certificate: Yes
Certificate code: 8b08b176fc064ff7bd9f1a376060f36a

Subject: Geomarketing.
Teachers: Lic. Marcelo Oldani.
Place: Faculty of Informatics-UNLP- (La Plata)
Year / Semester: 2019 / 2nd Semester.
Total duration: 15 hours
Approval certificate: Yes

Subject: Topics of Digital Image Processing.
Teachers: Dra. Cristina Manresa Yee and Dra. María José Abásolo.
Place: Faculty of Informatics-UNLP- (La Plata)
Year / Semester: 2019 / 2nd Semester.
Total duration: 70 hours
Approval certificate: Yes

Subject: Data Intelligence Applications.
Teachers: Dr. Aurelio Fernández Bariviera and Dra. Laura lanzarini.
Place: Faculty of Informatics-UNLP- (La Plata)
Year / Semester: 2019 / 2nd Semester.
Total duration: 64 hours
Approval certificate: Yes

Subject: Concepts and Applications in Big Data.
Teachers: Dr. Waldo Hasperrué, and Ing. María José Basgall.
Place: Faculty of Informatics-UNLP- (La Plata)
Year / Semester: 2019 / 2nd Semester.
Total duration: 64 hours
Approval certificate: Yes

Subject: LabView: Graphical Measurement Environment for Measurement Systems.
Teachers: Ing. José I. Gialonardo.
Place: Faculty of Engineering-UNLP-Department of Electrotechnics (La Plata)
Year / Semester: 2019 / 1st Semester.
Total duration: 90 hours
Approval certificate: Yes

Subject: Scientific Method and Theory of Technological Knowledge.
Teachers: Dr. Ing. Héctor Gustavo Guliano.
Place: Faculty of Engineering-UNLP-Department of Electrotechnics (La Plata)
Year / Semester: 2019 / 1st Semester.
Total duration: 30 hours
Approval certificate: Yes
Mark: 10

Postgraduate Title: Fundamentals of Object Oriented Programming.
Teachers: Mag. Ing. Pablo García, Dr. Ing. Marcelo Haberman, and Ing. Federico Guerrero
Place: Faculty of Engineering-UNLP-Department of Electrotechnics (La Plata)
Date: August to December 2018
Total duration: 60 hours
Approval certificate: Yes
Mark: 8

Postgraduate Title: Introduction to digital image processing, a theoretical-practical approach, using OpenCV.
Teachers: MSc. Ing. Félix G. Safar and Ing. Rafael Osio
Place: Faculty of Engineering-UNLP-Department of Electrotechnics (La Plata)
Date: November and December 2017
Total duration: 40 hours
Approval certificate: Yes
Mark: 9

8. Publications

Conferences Articles:

- "Complementary systems for detecting scorpions" in a work magazine of the X Congress of applied microelectronics, carried out at the National University of San Martín, San Martín, Buenos Aires.
- "Scorpion detection alarm using digital image processing" in Extended Summaries 2019 of the Secretariat of Research and Transfer of the Faculty of Engineering, UNLP. ISBN 978-950-34-1749-2.
- "Scorpion detection alarm using digital image processing" in a work magazine of the IX Congress of applied microelectronics, carried out at the Faculty of Technology and Applied Sciences of the National University of Catamarca, 2018. ISBN 978-987- 661- 325-5.
- "First scorpion detection alarm" in the Magazine of the Museum of La Plata UNLP | Faculty of Natural Sciences and Museum 1R-102R / ISSN 2545-6377, Volume 3, Number 1, Supplement Abstracts, 2018.