

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Name **SALAZAR, DAGOBERTO**
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Fax
E-mail **Dagoberto.Jose.Salazar AT upc.edu**
Nationality Venezuelan
Date of birth August 12, 1968

WORK EXPERIENCE

- Dates (from - to) February 2004 - Nowadays
- Name and address of employer Universitat Politecnica de Catalunya. C/Jordi Girona, 31. 08034. Barcelona. Spain
- Type of business or sector Education
- Occupation or position held Visitant professor
- Main activities and responsibilities Teaching and coordination of courses "Aircraft Navigation, Cartography and Cosmography", "Air Transportation", "Control and Guidance" and "Broadening of Fundamentals of Aerospace Engineering" (Master).

- Dates (from - to) February 2005
- Name and address of employer Universitat Politecnica de Catalunya. C/Jordi Girona, 31. 08034. Barcelona. Spain
- Type of business or sector Education
- Occupation or position held Assistant teacher
- Main activities and responsibilities Teaching support to course "Precise GPS Data Processing", held at Institute of Geomatics.

- Dates (from - to) January 1996 - February 2002
- Name and address of employer Universidad Simón Bolívar. Valle de Sartenejas, Caracas, Venezuela
- Type of business or sector Education
- Occupation or position held Professor

- Main activities and responsibilities
Teaching the courses “Avionics”, “Aircraft Instrumentation”, “Aircraft Electrical Systems” and “Aerodynamics”
- Dates (from - to)
November 1992 - November 1994
- Name and address of employer
Aerovías Venezolanas S.A. (AVENSA). Aeropuerto Internacional “Simón Bolívar”, Maiquetía, Venezuela.
- Type of business or sector
Private airline
- Occupation or position held
Operations Engineer
- Main activities and responsibilities
Performance and safety studies regarding AVENSA aircraft operations.

- Dates (from - to)
November 1990 - November 1992
- Name and address of employer
Inspectoría Aeronáutica. Ministerio de Transporte y Comunicaciones. Torre Este, piso 34, Parque Central, Caracas, Venezuela
- Type of business or sector
Government
- Occupation or position held
Aeronautical Engineer
- Main activities and responsibilities
Airline and aircraft maintenance shop inspector. Aircraft accident investigation. Other governmental and regulatory activities.

EDUCATION AND TRAINING

- Dates (from - to)
2003 - 2010
- Name and type of organisation providing education and training
Group of Astronomy and Geomatics. Universitat Politecnica de Catalunya. Spain
Doctoral Program in Aerospace Science and Technology (DoCTA). University
- Principal subjects/occupational skills covered
Research in GPS-related subjects.
- Title of qualification awarded
Philosophiae Doctor (Ph.D.)

- Dates (from - to)
1994 - Nowadays
- Name and type of organisation providing education and training
Facultad de Ciencias. Universidad Central de Venezuela
Postgrado en Instrumentación. University
- Principal subjects/occupational skills covered
Post-graduate studies and research in instrumentation and control topics.
- Title of qualification awarded
Magister Scientiae (M.Sc.) (thesis work pending)

- Dates (from - to)
1985 - 1992

- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

Instituto Universitario de las Fuerzas Armadas Nacionales (IUPFAN).
 Venezuela
 University
 Pre-grade studies on aeronautical engineering.

 Aeronautical Engineer

PERSONAL SKILLS

AND COMPETENCES

Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas.

MOTHER TONGUE

Spanish

OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills

English

Excellent
 Excellent
 Excellent

Catalan

Good
 Basic
 Basic

ANNEXES

JOURNAL ARTICLES:

Salazar D., M. Hernandez-Pajares, Juan-Zornoza, J.M., Sanz-Subirana, J., Aragon-Angel, A. "EVA: GPS-based extended velocity and acceleration determination". Journal of Geodesy, December 2010. DOI 10.1007/s00190-010-0439-6.

Andrei C.O., Salazar D., Chen, R.. "Performance Analysis of the Precise Point Positioning Technique at BUCU IGS Station". RevCAD – Journal of Geodesy and Cadastre, Volume 10, page 9-20. 2010.

Salazar D., M. Hernandez-Pajares, Juan-Zornoza, J.M., Sanz-Subirana, J. "GNSS data management and processing with the GPSTk". GPS Solutions, Volume 14, Number 3, pp. 293-299, June 2010. DOI: 10.1007/s10291-009-0149-9.

Badia, O., Couthinho, P., Salazar D. "Development of a GPS navigator with MATLAB". Revista del Instituto de Navegacion de España, ISSN: 1578-6064. Number 34, pp. 4-13. March 2010.

CONGRESS PROCEEDINGS:

Salazar, D., Hernandez-Pajares, M., Juan-Zornoza, J.M., Sanz, J. " Network-based High Accuracy Positioning with the GPSTk". 5th. ESA Workshop on Satellite Navigation User Equipment Technologies NAVITEC 2010. Noordwijk. The Netherlands. December 2010.

Hernandez-Pajares, M., Juan, J.M., Sanz, J., Ramos-Bosch, P. Rovira-Garcia, A., Salazar, D., Ventura-Traveset. J., Lopez-Echazarreta, C., Hein, G. "The ESA/UPC GNSS-Lab Tool (gLAB): An advanced multipurpose package for GNSS data processing". 5th. ESA Workshop on Satellite Navigation User Equipment Technologies NAVITEC 2010. Noordwijk. The Netherlands. December 2010.

C.O. Andrei, R. Chen, H. Kuusniemi, M. Hernandez-Pajares, J.M. Juan, D. Salazar, 2009, "Ionosphere Effect Mitigation for Single-frequency Precise Point Positioning," in Proceedings of 22st International Technical Meeting of the Satellite Division (ION GNSS-2009), Savannah, GA. September 2009.

Thomas L. Gaussiran, Eric Hagen, R. Benjamin Harris, Chris Kieschnick, Jon C. Little, Richard G. Mach, David C. Munton, Scot L. Nelsen, Colin P. Petersen, David L. Rainwater, Brent A. Renfro, Brian W. Tolman, Dagoberto Salazar. "The GPSTk: GLONASS, RINEX Version 3.00 and More." Savannah, Georgia. September 2009.

Salazar, D., Sanz-Subirana, J. and Hernandez-Pajares, M.. "Phase-based GNSS data processing (PPP) with the GPSTk". 8th Geomatic Week. Barcelona. Spain. February 2009.

Salazar, D., Hernandez-Pajares, M., Juan, J.M. and J. Sanz. "High accuracy positioning using carrier-phases with the open source GPSTk software". 4th. ESA Workshop on Satellite Navigation User Equipment Technologies NAVITEC 2008. Noordwijk. The Netherlands. December 2008.

Salazar, D., Hernandez-Pajares, M., Juan, J.M. and J. Sanz. "Open source Precise Point Positioning with GNSS Data Structures and the GPSTk". Geophysical Research Abstracts, Vol 10, EGU2008-A-03925, 2008.

R. Benjamin Harris, Tracie Conn, Thomas Gaussiran, Chris Kieschnick, Jon Little, Richard Mach, David Munton, Brent Renfro, Scot Nelsen, Brian Tolman, Jonathan Vorce, Dagoberto Salazar. "The GPSTk: New Features, Applications and Changes." Proceedings of the 20th International Technical Meeting of the Satellite Division of the Institute of Navigation (ION GNSS 2007). Fort Worth, Texas. September 2007.

Salazar D., M. Hernandez-Pajares, J.M. Juan and J. Sanz. " The GPS Toolkit: World class Open Source software tools for the GNSS research community. 7th Geomatics Week. Barcelona. Spain. 2007.

Salazar D., M. Hernandez-Pajares, J.M. Juan and J. Sanz. . "Rapid Open Source GPS software development for modern embedded systems: Using the GPSTk with the Gumstix. 3rd. ESA Workshop on Satellite Navigation User Equipment Technologies NAVITEC '2006. Noodwijk. The Netherlands. 2006.

R. Orús, D. Salazar, M Hernández Pajares, J.M. Juan, J. Sanz, "Using ionospheric maps to improve GPS precise positioning in post-process". 2nd ESA Workshop on Satellite Navigation User Equipment Technologies NAVITEC' 2004, ESTEC-ESA, Noordwijk, The Netherlands, December 2004.

PUBLICLY-FUNDED R&D PROJECTS:

Project name: JEAGAL

Funding Institution: European Commission (EC)

Participants: Universidad Politecnica de Catalunya (Spain), Politecnico de Torino (Italy), Istituto Superiore Mario Boella (Italy), University of Nanjing (China), Hanoi University of Technology (Vietnam).

Date: March 2005 to March 2007

Grant amount: 100,000 Euros

Project name: SEAGAL

Funding Institution: Galileo Supervising Authority (GSA)

Participants: Universidad Politecnica de Catalunya (Spain), Politecnico de Torino (Italy), Istituto Superiore Mario Boella (Italy), Universite de France-Comte (France), Hanoi University of Technology (Vietnam), Asian Institute of Technology (Thailand).

Date: March 2009 to October 2010.

Grant amount: 458,645 Euros

Project name: EDUNAV

Funding Institution: European Space Agency (ESA)

Participants: Universidad Politecnica de Catalunya (Spain).

Date: September 2008 to September 2009.

Grant amount: 40,000 Euros

OTHER PROJECTS:

- Official developer of the “GPS Toolkit” Project (<http://www.gpstk.org>).
- Project leader of “Architest Project” (<http://architest.sourceforge.net>).
- Project leader of “LibNav Project” (<http://libnav.sourceforge.net>).

SOFTWARE SKILLS:Programming and Operating Systems:

- High level in MS-DOS and Windows 98/2000/XP
- Very high level in Linux/UNIX (Caldera Systems Linux Certificate Instructor, Linux Professional Institute Level I)
- High level in computer networking (Cisco CCNA course).
- High level in C, C++, shellscript, awk and PERL
- High level in Web applications: PHP, MySQL, Postgresql, Apache
- Medium level in FORTRAN.

Other software:

- Medium level using mathematical analysis tools (Scilab, Matlab, Octave and gnuplot)
- High level using office suites.
- High level in LaTeX.
- High level in network infrastructure applications: Web, Mail, DNS, DHCP, SSH, etc.
- High level in Learning Management Systems (Moodle) .