

CURRICULUM VITAE

A. PERSONAL DATA

Name: Winder Alexander Gonzalez
Birth date: January 18th, 1981.
Place of Birth: Caracas, Venezuela.
Nationality: Venezuelan.
Passport No. 14.774.233
Mail address: Universidad Simón Bolívar, Laboratorio de Física Nuclear, FE1.
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B. EDUCATION

Technical School: Escuela Técnica Popular Don Bosco. Caracas, Venezuela.
<http://www.donbosco.org.ve/motor.php?idEspacio=7#etpdb>
Dates: September 1998 to July 2001.
Title: Technician in Industrial Electronics.
Area: Systems Automation

University: Universidad Simón Bolívar (USB). Caracas, Venezuela.
<http://www.usb.ve/>
Dates: September 2001 - Actual.
Title: Engineer.
Area: Electrical Engineer.

Interest Areas: Electrical and Electronics Engineer, Programming and Applied Nuclear Physics.

C. PROFESSIONAL EXPERIENCE

- Technician in Computer Systems. REPRESENTACIONES SETEO. C.A. Caracas. 1995-1999
Description: Assembling, reparation and checking out of PCs.
- Technician in Industrial Electronics. LABORATORIOS VARGAS. S.A. 1999-2000
<http://www.laboratoriosvargas.com/>
Description: Internships related with the maintenance of chemical industrial machinery.
- Technician in Electrical Systems: Producciones HBO OLÉ LATIN AMERICA C.A 2000.
<http://www.hbolag.tv/default.asp>
Description: Maintenance of electrical equipments and infrastructures.
- Teacher Assistant, Physic Demonstrations Laboratory at USB. Since 2005.
Description: In charged to set up, test (also repair) and organize the experiments for the Physics Demonstrations, web site system manager.
<https://asignaturas.usb.ve/osmosis/dokeos/FISDEMO/>.

D. OTHER COURSES

- “Aplicaciones de LabVIEW™ para la Ingeniería” (LabVIEW™ Applications for Engineering). Laboratorio de Sistemas de Potencia - Universidad Simón Bolívar, Caracas. Duration 20 hours. Sep – Dec. 2004.
- “Sistemas de inspección basados en visión artificial” (Inspection systems based on artificial vision). National Instruments Corp., Caracas. Duration 7 hours. Jun 8th 2005.

E. CONGRESSES CONTRIBUTIONS AND PUBLICATIONS

- *Nuclear Track Analyser with IMAQ™ Vision Builder 6 from National Instruments.*
23rd International Conference on Nuclear Tracks in Solids Beijing (China)
11-15 September 2006
<http://www.ints.cn/firstcircular.htm>
L. Sajó-Bohus, **W. A. Gonzalez**, C. Osorio J. K. Pálfalvi, P. Nemeth, J. Walter, D. Palacios and H. Barros.
- *New Approach in add-on Multi-channel Analyzer for Gamma Ray Spectrometry.*
Nuclear Instruments and Methods in Physics Research Section A – Accelerators Spectrometers Detectors and Associated Equipments, 2005.
http://www.sciencedirect.com/science?_ob=MIimg&_imagekey=B6TJM-4G0DB29-1-12&_cdi=5314&_user=798017&_orig=browse&_coverDate=06%2F21%2F2005&_sk=994549996&view=c&wchp=dGLbVtb-zSkWW&md5=d178406eca6c6530694936630770eb5d&ie=/sdarticle.pdf
Walter J., Barreiro M., Sajo-Bohus L, Graves E. and **Gonzalez W.A.**
Vol. 545, pp. 776 – 783. Indexada en el Science Citation Index.
- *Diseño y Construcción de un sistema automatizado de análisis de trazas nucleares utilizando LabVIEW™.*
I Jornada de Divulgación de las Técnicas Nucleares en Venezuela. U.N.E.F.M. Coro, Edo. Falcón. Venezuela. 27-29 April 2005.
<http://www.unefm.edu.ve/noticias/I%20Jornadas%20nucleares.htm>
L. Sajó-Bohus, **W. A. Gonzalez**, C. Osorio J. K. Pálfalvi, P. Nemeth, J. Walter, and D. Palacios.
- *Nuclear Track Analysis with IMAQ™ VISION BUILDER from National Instruments.*
II-Latin American Symposium on Nuclear Tracks. 3-7 Nov. 2003, Universidade Estadual de Campinas, San Pedro – Brazil.
http://www.ifi.unicamp.br/~iilasnt/espanhol/index_espanhol.html
L. Sajo-Bohus, **W.A. Gonzalez**, J.K. Palfalvi, J. Walter, E. D. Greaves, P. Nemeth, D. Palacios.
- *A Novel Instrumental Methodology in Radiation Education.*
Proceedings of the Second International Symposium on Radiation Education.
Debrecen, Hungary. 21 to 24 August 2002.
Vol I. pp. 189 – 193. Editors Sandor Ujvari and Laszlo Sajo-Bohus. ISBN 963 8051 949.
Sajo-Bohus L., Walter J., Greaves E. And Torrealba F., Marx Gy. Pavo Gy. Ladera L. and **Gonzalez W.A.**

D. PARTICIPATION IN RESEARCH PROJECTS.

- Diseño y construcción de un sistema automatizado de análisis de trazas empleando IMAQTM Vision Builder 6 y LabVIEW™ 7 de National Instruments.
Financed by: Research and Development Division at University Simon Bolivar.
(Decanato de Investigación y Desarrollo USB, <http://www.did.usb.ve>).
Project Code: DI-CB-015-05.
Beginning: June 2005.
End: December 2005.
Responsible: Dr. Laszlo Sajo-Bohus (sajobohus@yahoo.com)
- Técnicas Nucleares en la Industria de Aluminio.
Financed by: International Atomic Energy Agency (<http://www.iaea.org/>) and CVG-ALCASA (<http://www.cvg.com/espanol/cvgalcasa.html>).
Project Code: VEN/ 8 / 014
Beginning: November 2001.
End: in course.
Responsible: Dr. Eduardo Greaves (egreaves20002000@yahoo.com)
- Aplicaciones de la Espectrometría Alfa.
Financed by: Research and Development Division at University Simon Bolivar.
(Decanato de Investigación y Desarrollo USB, <http://www.did.usb.ve>).
Project Code: DI-CB-029-05.
Beginning: January 2006.
End: in course.
Responsible: Dr. Haydn Barros (hbarros@usb.ve)

E. OTHER WORKS

- Undergraduate research assistant at the Nuclear Physics Laboratory, Universidad Simón Bolívar. Since 2002.
- Teacher of the courses *Introduction to the programming for the control and data acquisition with experimental devices* (in LabVIEW™ environment). Organized by Laboratory D (<http://www.labd.usb.ve/>) – Unit of Laboratories (<http://www.usb.ve/conocer/laboratorios.html>) at University Simón Bolívar.
First course duration: 14 hours/2 days. July 2005.
Second course duration: 8 hours/ 2 days. November 2005.