

Jesús Ramón Alexander Rosario Villegas  
Av. Universidad, Villa Universitaria, Edif. "A", PB. Laboratorio de Física.  
Universidad de Los Andes, Pampanito edo. Trujillo – Venezuela  
3152  
58 (424) 775.54.05  
[jesus.rosario@gmail.com](mailto:jesus.rosario@gmail.com) / [jrosario@ula.ve](mailto:jrosario@ula.ve)

## EDUCATION

<b>Industrial Engineer</b> Momboy Valley University, Venezuela	<b>April 2011</b>
<b>Diploma in Open Source Software</b> Momboy Valley University, Venezuela	<b>May 2008</b>
<b>Diploma in Teaching and Learning of Physics</b> University of Los Andes, Venezuela	<b>Nov 2007</b>
<b>Technical Colleges in Electrical Equipment</b> University Institute of Technology Trujillo State	<b>May 1999</b>

## WORK EXPERIENCE

**Laboratory Supervisor**      University of Los Andes, NURR      2006 - Present

### *Research and Innovation Projects*

- J. Rosario, H. Lobo y D. Rivero, 2012 - development “*Using ICT for teaching - learning process in the Laboratories of Physics at the university level, (ULA code:NURR-H-530-12-04-B).*”
- M. Villarreal, J. Rosario, H. Lobo 2010 – “*Experimental development of a module for Learning Fundamentals of Electricity in secondary education*”, MCTI Project No. 1275
- H. Lobo, C. Pacheco, J. Rosario 2010 “*Study Social representations of university teachers and students about the Information Technology and Communication (ULA code:NURR-H-504-11-04-B)*”
- J. Briceño & J. Rosario 2007 – 2009 “*Development of an Interactive Tool for Learning Electricity and Magnetism (ULA code: NURR-C- 472-07-04-B)*”
- J. Rosario 2007 – 2009 “*Interactive Training Manual General Physics for Students of Physical Education and Mathematics (ULA code: NURR-H-396-07-04-C)*”

### Tutoring

- M. L. Soto, Industrial Tutor. 2010 “*Development of a Coding System Inventory and equipment*”
- J. Lobo & R. Montilla. Project Advisory 2010 “*Visual Demonstration Kit for Magnetic Field*”
- L. Briceño & M. Ramirez, Project Advisory 2010 “*Coulomb Balance for meaningful learning in electrostatics.*”

- J. Delgado & M. Olivar, Graduate work 2007 "*Design and Development of Educational Software for Learning*" rigid body rotation around a fixed axis".
- J. Lozada & R. Barrios Graduate work 2006 ""*Educational Software in HTML and JAVA to facilitate teaching and learning of content Refraction of Light CONCERNED Subject Physics Ninth Grade Basic Education*"

### **Laboratory Assistant**

University of Los Andes, NURR

1999 – 2005

#### *Research and Innovation Projects*

- H. Lobo, J. Rosario, J. Brieño, G. Gutiérrez & M. Villarreal 2000 - 2004 "*Design of Educational Software for children of the first stage of basic education "Asi se mueven las cosas"*" FONACIT

#### Tutoring

- E. Infante, Industrial Tutor 2005 "*Automated System for Consultation Notes in Physics Laboratory Area*"
- J. Montilla, Industrial Tutor 2005 "Design and Implementation of a System for Electrical Equipment Maintenance".
- J. Guzmán & N. León Graduate Work 2004 "*Development of a Web page as an aid to learning the content Rational Numbers in the seventh grade of elementary school.*"
- Y. Mavares & V. Ramirez Graduate Work 2003 "Developing a website to the Content Proper Power 4th grade of elementary school."

## **PUBLICATIONS**

#### *Scientific Journals*

- M. Villarreal, H. Lobo, J. Rosario, G. Gutiérrez & J. C. Diaz. (2012) "*Introduction to Spintronics*", Academia, Series No. 21.
- J. Briceño, D. Aldana, H. Quevedo, Y. Rivas, H. Lobo, G. Gutierrez & J. Rosario. (2001) "*Learning Difficulties in Physics in the Context of Current Educational*" Academia, Series No. 20.
- J. Briceno, H. Lobo, Y. Rivas, J. Rosario, G. Gutierrez, M. Villarreal & J. Diaz, (2011), "*The didactic production in the field of physics in NURR - ULA from the perspectives of ICT*", Academia. Vol 10. No. 19.
- J. Rosario, H. Lobo, J. Briceno, G. Gutierrez, M. Villarreal, D. Rivero & J. Diaz (2010), "*Interactive Training Manual General Physics for Students of Physical Education and Mathematics*", Academia. Series No. 17.
- J. Briceno, Y. Rivas, H. Lobo, J. Rosario, B. Cañizales, E. Moreno, 2011 "The University Teaching Ethics in Knowledge Management" EDUCERE. No. 51.
- H. Lobo, G. Gutierrez, J. Rosario, J. Briceno, M. Villarreal, J. Diaz & A. Pacheco. (2009), "*Educational Software for Learning in Optics*", Academia, Series No. 15, Pag 86-115.
- J. Rosario, G. Gutierrez, J. Briceño, H. Lobo, M. A. Villarreal, D. Rivero, F. Castellano. (2009) "*Interactive Tool for Learning and Teaching Building a DC voltmeter and ammeter*" Journal of Science Education, Vol 10 Page 175.

- J. Briceño, J. Rosario, Y. Rivas, H. Lobo, G. Gutierrez, M. Villarreal, J. Diaz & F. Pineda (2009), “*The Electromagnetic Phenomena Learning Through an Interactive Tool*” EDUCERE No. 45, Page 501 to 507.
- J. Briceño, J. Rosario, H. Lobo, G. Gutierrez, M. Villarreal, J. Diaz, Y. Rivas. (2006) “*Proposal Interactive Learning of electric and magnetic phenomena Level diversified and professional cycle*” Academia. No. 09. Page 26-33

#### *Books and Monographs*

- Hebert Lobo, Jesus Briceño, Jesus Rosario, Gladys Gutierrez & Ana Pacheco, (2008), “*Troubleshooting Optics, Polarization*”, Editorial Fund GRINCEF, Trujillo – Venezuela.
- H. Lobo, M. Villarreal, G. Gutierrez, J. Rosario, J. Briceno, J. Caceres. (2007), “*Mechanics: Physical Quantities, vector particle kinematics, particle dynamics and balance*”, Editorial Venezuela C.A. Mérida - Venezuela. Second edition.
- Jesus Galindez, Juan Carlos Galindez, Hebert Elias Lobo Sosa, Jesus Briceno Barrios, Albert Galbis Galindez, Matilde Luisa Malave Maza, Eduardo Matínez, José Cáceres, Jesus Rosario, Manuel Villarreal. (2007) “*Quantum physics in thought, action and neural system*”, Editorial Venezuela C.A. Mérida - Venezuela.
- Jesus Briceno, Yasmelis Rivas, Jesus Rosario, Hebert Lobo, Gladys Gutierrez (2006) “*Electrical interactions and Coulomb's Law, Learning Strategies*” Editorial Fund GRINCEF, Trujillo – Venezuela.
- Hebert Lobo, Manuel Villarreal, Gladys Gutierrez, Jesus Rosario, Jesus Briceno, Jose Caceres. (2005) “*Mechanics: Physical Quantities, vectors patícula kinematics, particle dynamics and balance*”, Editorial Venezuela C.A. Mérida - Venezuela.
- Manuel Villarreal, Hebert Lobo, Jesus Briceno, Jesus Rosario, Gladys Gutierrez, Francisco Moron. (2005), “*New Technologies for Teaching Physics*” Editorial CIELCIECMérida - Venezuela.
- Manuel Villarreal & Jesus Rosario, (2002) “*Laboratory Manual Principles of Electricity*”, Printed in GRINCEF - ULATrujillo - Venezuela.

#### *Memories in Congress*

- J. Rosario, G. Gutierrez, J. Briceno, H. Lobo, M. Villarreal, D. Rivero (2009) “*Interactive Tool for Building a Simple Pendulum Physics Laboratory*”, VII Congress of the Venezuelan Society of Physics, p. 118.
- J. Briceno, Y. Rivas, H. Lobo, J. Rosario. (2009), “*The Physics Problem Solving as a Teaching tool for Meaningful Learning*”, VII Congress of the Venezuelan Society of Physics, p. 120.
- Rosario J, Briceño J, Rivero D, Gutierrez G. (2009), “*Interactive Tool for Learning and Teaching in Transformers Building Physics Laboratory*”, First Congress on Engineering Education.
- Briceño J, Rosario J, Lobo H. (2009), “*Implementing an Experimental Module to Improve Learning Laws of Electromagnetic Induction in the Basic Engineering*”, 1st Congress on Engineering Education.
- J. Rosario, G. Gutierrez, H. Lobo, J. Briceño, M. Villarreal & Rivero Dilue. (2009), “*Interactive Tool for Learning and Teaching building a DC voltmeter and an ammeter*”. Journal of Science Education, ISSN 0124-5481, p. 175

- J. Rosario, G. Gutierrez, L. Hebert, & D. Rivero. (2009) “*Physics for Kids on the Web*” Journal of Science Education, ISSN 0124-5481, p. 176.
- Rosario J, Villarreal M. A., of Chalbaud L.M., B. Fernandez J., Velasquez, Velasquez A., and M. Pirela (2008) “**Synthesis and characterization of the alloy Cu<sub>1.5</sub>Ag<sub>0.5</sub>GeSe<sub>3</sub>**”, Slafes XIX, pag. 195.

### ***EVENT ORGANIZER***

- **3rd Interchange with the Teaching of Science 2010**, Universidad de Los Andes (2010), Trujillo – Venezuela.
- **2<sup>nd</sup> Interchange with the Teaching Science 2007**, Universidad de Los Andes (2007), Trujillo – Venezuela.
- **1st Interchange with the Teaching Science 2005**, Universidad de Los Andes (2005), Trujillo – Venezuela.
- **I – II and III Seminar Series in Science Education**, Universidad de Los Andes (2004, 2006, 2008) – GRINCEF, Trujillo – Venezuela.
- **I and II Fair for Science Education**, Universidad de Los Andes - Trujillo Educational Zone (2004 – 2005), Trujillo – Venezuela.
- **XIII Venezuelan Physics Olympics**, ULA - Educational Zone - Ministry of Education – CONICIT (2003), Trujillo – Venezuela.
- **Creating Web Pages for Physics Education**, Universidad de Los Andes - Trujillo Ministry of Education (2003), Trujillo - Venezuela.
- **Characters of Physics Workshop**, Universidad de Los Andes - Ministry of Education (2003), Trujillo - Venezuela

### ***AWARDS AND DISTINCTIONS***

- **Direct Support Award Research Units**, Universidad de Los Andes, Call 2012, 2010, 2008, 2006.
- **Order “Juan Nepomuceno Pagés Monsant”**, Award to job performance in the ULA, 2012.
- **Incentive Award to the Research and Innovation (PEII - ONCTI)**, Investigator Level "A" Award National, call 2011.
- **Research Incentive Award to PEI – ULA**, Universidad de Los Andes, Call 2011, 2009, 2007, 2005.
- **Distinction 10 years of service to the institution**, Universidad de Los Andes, 2009.
- **Academic Excellence**, Diploma in Teaching and Learning of Physics, Universidad de Los Andes. 2007.

### ***JOURNAL REFEREE***

EDUCARE Journal, Venezuela, ISSN 2244-7296, <http://revistas.upel.edu.ve/>

CITREVISTA Journal, Chile ISSN 0718-5006, <http://www.citrevistas.cl>

REQUIMERA Magazine, Venezuela DL: ppi201302TR4259, <http://150.185.188.24/REQuimera>