

# Rosemerie Alvarado

C.I.: V-17.125.751 Birth date: 15/01/1986

**Marital Status:** Single

**Birthplace:** Venezuela

**Nationality:** Venezuelan, Chilean

**Telephone:** +58 212 976-3332 +58 414-479-5998

**E-mail:** rosemerie.ab@gmail.com

**Address:** Santa Fé Norte, Avenida José María Vargas, Res. Plaza Garden, Apto. 13 B. 1080, Caracas, Venezuela



## Education

**2003 - 2009 | Bachelor in Physics**

Universidad Simón Bolívar, Venezuela.

GPA: 4.1 points/5 points.

**1997 - 2003 | High School Diploma, Mention Science**

U.E. Colegio Agustiniano Cristo Rey, Caracas, Venezuela.

GPA: 18 points/20 points.

## Work Experience

**2009 - In course**

Medical physicist.

GURVE Oncologic Radiotherapy Group, FÍSICA MÉDICA.

**2008 - 2009**

Advisor High School Diploma “Determination of Cf-252 neutron flux of the Nuclear Physics Laboratory at Universidad Simón Bolívar”. **Length:** 6 months (December-June).  
Universidad Simón Bolívar, Venezuela.

**2008**

Physics teaching assistant, *Physics I FS-1111, Physics III FS-2211*. **Length:** 6 months (January-July).

Universidad Simón Bolívar, Venezuela.

## Publications

**2009**

Alvarado, R., Palacios, D., Sajo-Bohus, L., Greaves, E., Goncalves, I., Barros, H., Nemeth, P. *Neutron flux characterization using LR-115 NTD and binary glass metal as converter*. Accepted and waiting for published version at Revista Mexicana de Fisica.

## Investigation

**2008 - 2009**

Social work project “Study of Marine Intrusion and Coastal Aquifers Salinization on Falcón state”. Code AB0107.

**2008 - 2009**

Social work project "Physics Laboratories Recover on Caracas's Public Schools".

**2008 - 2009**

Bachelor Thesis: "Neutron Flux Characterization using LR-115 NTD and Binary Glass Metal as Converter". Mention: Exceptionally good.

**2007 - 2008**

Bring into operation of the 200 keV Linear Accelerator, Ion Implanter BALZERS Model MPB 202.

## **Courses and Workshops**

**2009**

Participation on Intensive Course "Basic Clinical Dosimetry Course"

**Institution:** GURVE Oncologic Radiotherapy Group, FÍSICA MÉDICA.

**2009**

Oral presentation of seminar "Neutron flux characterization using LR-115 NTD and binary glass metal as converter" on the "V International Symposium on Radiation Physics"

**Institution:** Physics Institute, Universidad Nacional Autónoma de México, Mexico.

**2008**

Participation on Minicourse "Nuclear Physics Fundamentals and Applications "

**Institution:** Universidad Simón Bolívar, Venezuela.

**2008**

Participation on Minicourse "High Energy Astrophysics "

**Institution:** Universidad Simón Bolívar, Venezuela.

**2008**

Poster presentation: "Progress Report on the 0.2 MeV Linear Accelerator at the Universidad Simón Bolívar, Venezuela" on the "XV Experimental Nuclear Physics Summer School Jorge André Swieca 2008, Fundamentals on Ionic Implantation"

**Institution:** Physics Institute, Universidad de Sao Paulo, Brazil.

**2008**

Writing collaboration and correction of guide book "Physics Fundamentals" for the "Equal Opportunities Project (PIO)"

**Institution:** Universidad Simón Bolívar, Venezuela.

**2007**

Participation on "3rd International School on the Effects of Radiation on Embedded Systems for Space Applications".

**Institution:** Centro Atómico Constituyente, Argentina.

**2007**

**Participation on Minicourse "Cosmic Ray Detectors: Probes for the Highest Energies"**

**Institution:** Universidad de los Andes, Venezuela.

**2007**

**Participation on Physics Workshop for Public Schools Students "Campamento Galileo"**

**Institution:** Universidad Simón Bolívar, Venezuela.

**2007**

**Participation on Conference and Experimentation "La Fiesta de los Saberes"**

**Institution:** Museo de Ciencias, Venezuela.

**2006**

**Participation on Minicourse: "Lab View and Physical Applications"**

**Institution:** Universidad Simón Bolívar.

**2005, 2006, 2007, 2008**

**Participation on "Infocarreras USB"**

**Institution:** Universidad Simón Bolívar, Venezuela.

### **Visits to Companies and Laboratories**

**March 2009**

Visit to Physics Institute on the Universidad Nacional Autónoma de México, Mexico.

**February 2008**

Visit to Linear Accelerator Microtron Laboratories, Laboratorio Aberto de Física Nuclear (LAFN) y Pelletron, Universidad de Sao Paulo, Brazil.

**Diciembre 2007**

Visit to Centro Atómico Constituyentes, Laboratorio Tandem, Argentina.

### **Idioms**

**Spanish:** Native language

**English:** Advanced

**French:** Basic

**2007 - 2008**

**French Course**

**Institution:** Aliance Française, Venezuela. **Level:** Basic, certificate. **Length:** 3 levels, 123 hours.

**2005 - 2007**

**English Course Advanced**

**Institution:** British Council, Venezuela. **Level:** Advanced, certificate. **Length:** 5 levels, 180 hours.

## **Others**

Knowledge on Computer Languages (Windows, Mac Os X, Linux), basic knowledge on C++ programming.

Knowledge and manipulation of: MAESTRO, MCA, AXIL.