

Óscar A. Nájera

CONTACT INFORMATION	Cap. Rafael Ramos E2-254 Department of Physics Escuela Politécnica Nacional Quito, Ecuador	<i>home:</i> +(593-2) 241-2446 <i>mobile:</i> +(593-9) 643-9206 <i>e-mail:</i> najera.oscar@gmail.com <i>www:</i> http://titan-c.github.com
RESEARCH INTERESTS	Solid State Physics, Statistical Mechanics, scientific programming & computational systems analysis	
EDUCATION	Escuela Politécnica Nacional , Quito, Ecuador Physics Student August, 2006 - present <ul style="list-style-type: none">• Thesis Topic: “Estimation, by computer simulation, of the exchange energy dispersion between polar nano-regions in $Pb_xBi_4Ti_{3+x}O_{12+3x}$; $x = \{2, 3\}$ relaxor ferroelectrics”• Advisor: Professor Luis Lascano• Expected graduation date: July, 2012	
HONORS AND AWARDS	Physics Olympiad 1 st place, Escuela Politécnica Nacional 2010	
ACADEMIC EXPERIENCE	Escuela Politécnica Nacional , Quito, Ecuador <i>Student</i> August 2006 - present Includes current research and coursework <i>Laboratory and teacher's Assistant</i> August 2011 - present Responsible of Experimental Physics laboratory in subjects like Newtonian Mechanics, Electromagnetism and Optics. Shared responsibility for lectures, homework assignments and grades. International Center for Theoretical Physics , Trieste, Italy <i>Invited Student</i> Feb 20 - Mar 2, 2012 Participation and presentation of research work at the “Advanced School on Scientific Software Development”	
CONFERENCE PRESENTATIONS	Nájera, O.: “Phase transitions in random interaction Ising-like models” In: XVI ELAVIO, <i>Latin American School in Operations Research</i> , Feb 2012.	
OTHER PUBLICATIONS	Nájera, O.: “Estimation, by computer simulation, of the exchange energy dispersion between polar nano-regions in $Pb_xBi_4Ti_{3+x}O_{12+3x}$; $x = \{2, 3\}$ relaxor ferroelectrics”, Thesis Preliminary Examination. Department of Physics - Escuela Politécnica Nacional, April 2012.	
COMPUTER SKILLS	<ul style="list-style-type: none">• Languages: C/C++, Linux shell scripting, Python, Php, Matlab/Octave, L^AT_EX• Operating Systems: Linux(Gentoo)	
LANGUAGES	<ul style="list-style-type: none">• Spanish: Native speaker• English: Fluent speaker• German: Fluent speaker	