

ANTONIO ALFREDO IBÁÑEZ LANDETA

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- EDUCATION**
- PhD** **Max Planck Institute for Dynamics and Self-Organisation**
2017 - Present
- MS** **Universidad de Chile, Physics, 2013 - 2017**
Thesis title: “Study of the electroadsorptive effect in a thin SnO₂ film”
- BS** **Universidad de Chile, Physics, 2009 - 2012**
- HONORS AND AWARDS**
- Becas para estudios de Magíster en Chile, 2013**
Scholarship awarded by the state for Master studies in a Chilean university.
- RESEARCH EXPERIENCE**
- Universidad de Chile, FCFM, January 2011**
Technician, Surfaces Laboratory
- Preparation of gold and copper samples on mica for alkanethiol deposition.
- Universidad de Santiago de Chile, Physics department, May 2017 – August 2017**
Assistant Investigator
- Ferromagnetic Resonance Spin-Pumping
- TEACHING EXPERIENCE**
- Teaching Assistant, Department of Physics, Universidad de Chile.**
Courses: Mechanics, Introduction to Solid State Physics, Thermodynamics, Electromagnetism, Introduction to Experimental Physics.
- PUBLICATIONS**
- Raul C. Munoz, Claudio A. Gonzalez-Fuentes, Ricardo Henriquez, Andres Espinosa, German Kremer, Luis Moraga, Antonio Ibañez-Landeta, Sebastian Bahamondes, Sebastian Donoso and Marcos Flores. “*Resistivity of thin gold films on mica induced by electron-surface scattering from a self-affine fractal surface*” J. Appl. Phys. Vol **110**, Issue 2, 023710, (2011).
- Sebastián Bahamondes, Sebastián Donoso, Antonio Ibañez-Landeta, Marcos Flores, Ricardo Henriquez, “*Resistivity and Hall voltage in gold thin films deposited on mica at room temperature,*” Applied Surface Science, Vol. **332**, Issue 1, pp. 694-698, (2015).

**PRESENTATIONS
AND INVITED
LECTURES** Poster presentation, “Electroadsorptive effect on SnO₂ films” Engineering of Functional Interfaces, 7-8th July, 2015.

**EQUIPMENT
EXPERIENCE** Experienced with the following laboratory techniques:

- Ultra high vacuum techniques
- Scanning Probe Microscopy (AFM/STM)
- X-ray Photoelectron Spectroscopy
- E-beam evaporation
- Sputtering
- Electron Paramagnetic Resonance

LANGUAGES **Spanish:** Native Language
English: Good (92% ETAPP test, year 2015)
German: Basic (A1 level certified by Heidelberg Institute, year 2015)

**COMPUTATIONAL
SKILLS** **Programming:** Proficient in C, Java, Fortran

OTHER Assisted to HZDR Summer Student program 2015. July 7th- September 7th
Assisted to IFSC Summer Student program 2013. January 13th-March 3rd