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PARTICIPATION IN CONGRESS

5th Nuclear Materials Conference, Elsevier – IAEA, 14-18 October 2018 Seattle, USA. Poster Presentations: 1) *“First-principles thermodynamic study of point-defect structure and electrical conductivity in tetragonal non-stoichiometric zirconia including lattice vibrations”*, Gargano, Kniznik, Alonso, Forti, Rubiolo. 2) *“DFT Study of the Early Stages of Oxidation of the Zr(1010) Surface”*, F. Soto, M. Forti, P. Alonso, P. Gargano, L. Kniznik, G. Rubiolo, P. Balbuena. 3) *“A DFT study of the resistance to traction and shear loads of the Fe(BCC) / Fe₃O₄ interface”*, M. Forti, P. Alonso, P. Gargano, L. Kniznik, G. Rubiolo. https://elsevier.conference-services.net/programme.asp?conferenceID=4229&action=prog_list&session=45340

16° SAM-CONAMET, November 2016 Córdoba, Argentina. *“Shear stress in Fe/Fe₃O₄ interfaces”*. Sociedad Argentina de Materiales. <http://sam-conamet2016.congresos.unc.edu.ar/>

14th SAM-CONAMET, October 2014, Santa Fe, Argentina. *“Charge difference calculation in Fe/Fe₃O₄ interfaces from DFT results”*. Sociedad Argentina de Materiales. <http://www.unl.edu.ar/materiales2014/>

Workshop en Procesamiento Físico Químico Avanzado. 11 – 15 March 2014, Universidad Nacional de Santander, Piedecuesta, Colombia. Invited speaker. a) *“Vasp Workshop”*, b) *“Mechanical Properties from DFT Calculations”*. <http://www.sc3.uis.edu.co/pfqa-procesos-fisico-quimicos-avanzados/>.

13th SAM-CONAMET, August 2013. Sociedad Argentina de Materiales, Puerto Iguazú, Misiones, Argentina *“DFT Approximation to the Adhesion Energy of the Fe(BCC)/Magnetite Interface”*..

XXXIX Reunión Anual de la Asociación Argentina de Tecnología Nuclear, November 2012., Buenos Aires, Argentina. *“Atomistic Model of the Adhesion Problem in Magnetite/iron system”*.

4° Meeting of young researchers in Cience And Technology, October 2012. Sociedad Argentina de Materiales, Mar del Plata, Buenos Aires, Argentina. *“Spin-Orbit Coupling effect on bandstructure of Iron monoxide in GGA+U approximation”*.

12th CONAMET/SAM, October 2012. Universidad Técnica Federico Santa María, CONAMET-SAM, Valparaíso, Chile. *“DFT study on adhesion energy in Fe/Fe₃O₄ interface”*.

May 2012. 12th Anual Meeting of the Nuclear Fuel Division. Centro Atómico Constituyentes, Comisión Nacional de Energía Atómica. Buenos Aires, Argentina. *“Predicting toughness in Fe/Magnetite interfaces based in First Principle calculations”*.

PASI, January 2012. Pan American Advanced Institute, Computational Materials Science for Energy Generation and Conversion. Santiago De Chile, Chile. (Workshop, http://www.cnf.cornell.edu/cnf_pasi2012.html)

SAM / CONAMET 2011, October 2011. Rosario, Argentina. "*Ab Initio Studies on carburization in Fe_3Al based alloys*" (<http://www.ifir-conicet.gov.ar/SAM-ONAMET2011/documentos/topico6/215-161-1-SP.pdf>).

At The Frontiers of Condensed Matter IV, December 2008. Centro Atómico Constituyentes, Buenos Aires, Argentina. "*Electric and Magnetic properties of PMMA/Manganite composites*".

RAFA, September 2008. Reunión Anual de la Asociación de Física Argentina, Salta, Argentina. "*Electric and Magnetic properties of PMMA/Manganite composites*".