

Curriculum Vitae  
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## Education

2003-2008	INSTITUTO SÁBATO National University of San Martín Doctor in Science and Technology – Physics	Buenos Aires, Argentina
2002	UNIVERSITÀ DEGLI STUDI di BOLOGNA Master in Ingegneria d'ella Innovazione Tecnologica (Master in Engineering of Technological Innovation)	Bologna, Italy
1998-2000	THE PENNSYLVANIA STATE UNIVERSITY Materials Science & Engineering Department Master in Materials Science - Engineering	Pennsylvania, USA
1997-1998	FUEL SCIENCE PROGRAM Graduate studies on Fossil Fuel Science and Technology: oil, carbon, natural gas, catalytic materials and environmental pollution	
1988-1991	INSTITUTO BALSEIRO Licenciado (Master) in Physics - Orientation in Materials Science President of Student Council (1989)	Río Negro, Argentina
1986-1987	INSTITUTO TECNOLOGICO DE BUENOS AIRES 1st and 2nd years of Mechanical Engineering	Buenos Aires, Argentina
1980-1985	COLEGIO INDUSTRIAL PIO IX Electronics Technician	Buenos Aires, Argentina

## Experience

2023-Present	NATIONAL ATOMIC ENERGY COMMISSION Energy efficiency and sustainability projects both within CNEA and in collaboration with third institutions. Participate in the survey of active systems and thermal envelopes of facilities. Dissemination of knowledge and the training of CNEA staff, through seminars, courses, reports and publications.	Buenos Aires, Argentina
2010-2022	NATIONAL ATOMIC ENERGY COMMISSION and NUCLEOELECTRICA ARGENTINA S.E. Engineering of solid, liquid and gaseous radioactive waste treatment systems. Problems of materials and characterization of radioactive waste. Optimization of procedures to reduce the total amount of waste generated for the Atucha II Project.	Buenos Aires, Argentina
2008-2010	FRIGORÍFICOS METÁN S.A. Conceptual design and basic engineering of an Ecological Industrial Refrigerator using solar energy, biomass energy and refrigerant circuits with low ecological impact.	Buenos Aires, Argentina

2003-2008	CONICET (National Council for Scientific and Technical Research) Development, construction and use of a space environment simulation chamber for testing solar cells, solar panel components and various materials used in the SAOCOM and AQUARIUS-SAC D satellite missions.	Buenos Aires, Argentina
May-Sep- 2003	PIERRE AUGER INTERNATIONAL PROJECT Contracting, bidding, supplier development, purchase of equipment, components and materials for the construction of the Pierre Auger Observatory in Mendoza, Argentina.	Buenos Aires, Argentina
Jan-May-2003	ALAZAN INDUSTRIES Metallurgical workshop work. Use of metallurgical workshop tools: lathe, milling machine, filer, grinding machine, welding machine. Maintenance of machines and equipment.	Buenos Aires, Argentina
Oct-Dec-2002	ITALIAN CERAMIC CENTER, BOLOGNA Training in the production process of ceramic products: control of process parameters, product defect evaluation, ISO regulations, energy efficiency, product quality and emissions control.	Bologna, Italy
1998-2000	THE PENNSYLVANIA STATE UNIVERSITY Research Assistant • Research topic: agglomeration problems in nanocrystalline ceramic powders. A method was developed to reduce the agglomeration problem during nanosize zirconia powder processing.	Pennsylvania, USA
1992-1996	NATIONAL ATOMIC ENERGY COMMISSION Research and Development Professional • Development and Structural Characterization of cement and concrete mixes for radioactive waste immobilization. • Construction of a computer controlled multiple calorimeter to measure the heat of hydration in cement mixes containing waste. • Production and Characterization of Titanium Nitride and Titanium Carbide hard coatings for tool steels.	Buenos Aires, Argentina
1990-1991	INSTITUTO BALSEIRO Student for Licenciatura in Physics • Interstitial Nitrogen and Oxygen content determination in ferritic steel weld seams (thesis)	Río Negro, Argentina
<b>Other</b>	TEACHING • Teaching assistant duties for Materials Science and Engineering and Fuel Science and Technology courses; The Pennsylvania State University (1998-1999) • Teaching Assistant of Physics Courses; Universidad de Buenos Aires (1994-1995)  COMPUTER SKILLS Use of Laboratory and Office programs for equipment and instrument control, text edition, 2D plan drawing, graphics drawing and mathematical calculation. Use of 3D design program.  LANGUAGES ENGLISH: Fluent ITALIAN: Reading and speaking FRENCH and PORTUGUESE Reading	