

Brief Presentation

Mr. Alejandro Vertanessian has a Doctor's degree in Science and Technology from the University of San Martín, Argentina, a Master's Degree in Technological Innovation Engineering from the University of Bologna in Italy and a Master's Degree in Materials Science from The Pennsylvania State University in the United States.

His undergraduate degree is a Bachelor of Physics from Instituto Balseiro in Argentina and he is also an Electronics Technician from Pío IX Industrial College of Buenos Aires.

He has work experience and knowledge in the areas of:

Materials

- Nanomaterials and advanced ceramic composites
- Production process and tests of industrial ceramic products
- Hard ceramic coatings and surface treatments
- Microstructure and non-destructive tests on cements and cement mixtures.
- Determination of interstitial solutes in steel weld beads

Radioactive waste management

- Engineering of solid, liquid and gaseous radioactive waste treatment and management systems.
- Problems of materials and characterization of radioactive waste

Energy, both fossil and renewable

- Conceptual design and basic engineering of an Ecological Industrial Refrigerator using solar energy, biomass and refrigerant circuits with low ecological impact.
- Testing of solar cells, solar panel components and various materials used in the SAOCOM and AQUARIUS-SAC D satellites.
- Science and technology of fossil fuels