

Arturo VARGAS

Dr. Arturo Vargas (male) is a nuclear engineer at the Technical University of Catalonia (UPC) with 25 years of experience in radionuclide metrology, instrument development and dose assessment. He is the head of the Radioactivity and the Environment research group of the Institute of Energy Technologies (INTE) within UPC, with a team of 4 researchers and 3 technicians. The associate facilities to this group are: Atmospheric Radiological Control Station, Radon chamber considered as reference in Spain and Radiochemical and Radioactive Analysis Laboratory accredited by ISO17025.

Dr Vargas has experience in ambient dose rate probes, air sampling systems and spectrometric instruments that are used for environmental dose calculation, and has been actively involved during the last year in WP3 (Environmental Dosimetry) of the European Radiation Dosimetry Group (EURADOS). From 2010, Dr. Arturo Vargas has focused the research of novel gamma spectrometry monitors to be used in early warning systems, both fix and mobile stations, including Unmanned aerial vehicles (UAV). From February 2015, he has been elected as the Chairperson of WG3. Currently, he participates in the European project "Metrology for radiological early warning networks in Europe" (MetroERM <http://earlywarning-emrp.eu/>) as leader of the group of the Universitat Politècnica de Catalunya and responsible of Task 1.3 "Dose rate and contamination level calculation and validation of spectrometry data", which has the aim to validate new detection principles for the calculation of dose rates and contamination levels from in-situ gamma spectra by Monte Carlo simulations and benchmark experiments.

During the research period, Dr Arturo Vargas published more than 35 publications in peer review journals, participates in seven national projects funded by the Spanish Ministry and three European projects.