Fernando Aluzzi

M.S. Computer Science

M.S. Meteorology

B.S. Physics

Fernando Aluzzi is an operational scientist and software developer at NARAC and has experience in atmospheric dispersion models as both a user and developer. Fernando serves as the software development lead for both the HotSpot and EPIcode models within the NARAC program.  Fernando leads all aspects of development of both applications: bug fixes, upgrades, software quality assurance, training, etc.  In this role Fernando communicates directly with many DOE users of both models especially those working on in the areas of safety analysis, and emergency response.  Fernando is also the lead for providing training to DOE users of the NARAC, HotSpot, and EPIcode models.

Steve Homann

BA Physics, Valparaiso University 1973

MS, Health Physics, University of Michigan in 1975.

Steve is an ABHP certified health physicist with more than 40 years of experience in emergency response, accelerator shielding design, CR39 neutron dosimetry, nuclear gauge design, and software development.

Steve also has extensive experience working for NASA missions involving radioisotope power systems (Galileo/Jupiter, Ulysses/Heliosphere, Cassini/Saturn, New Horizons/Pluto, Mars Science Laboratory, Mars 2020). In 2013 Steve received a Secretary of Energy Achievement Award in for his NASA support.

Steve is the author and architect of both the original versions of HotSpot and EPIcode applications and their subsequent development and modernization through two generations. Steve now works on scientific development in both codes and assists in their day-to-day operations.