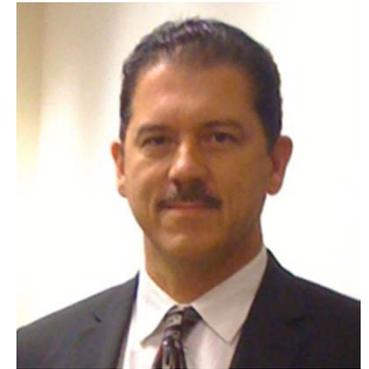


## Meet the Presenter...

*Dr. David Roelant*



Dr. David Roelant is the Director of the Florida International University (FIU) Interdisciplinary Nuclear Research Program (INRP) at the Applied Research Center, whose mission is to develop a \$10M+/yr, multidisciplinary nuclear R&D program. He has performed, led, or managed over 440 projects and over \$200M of environmental, defense technology, energy, and nuclear research since 1978. Dr. Roelant holds a B.S. degree in Applied Math, a M.S. in Mechanical Engineering, and a PhD in Nuclear Engineering from the University of Michigan. His experience includes positions at the Argonne and Lawrence Livermore National labs, Harry Diamond labs, the Naval Research lab, Carderock Naval Surface Warfare Center, HM Technologies, BDM, TRW, PAI, and the University of Michigan. In the areas of environmental, energy and nuclear research, Dr. Roelant specializes in radiation and chemical sensors development; soil, groundwater, building and radioactive waste characterization; MARSSIMS; imaging modalities such as radar, sonar, electrical resistance tomography; radiation detection and measurement; modeling radiation transport; health physics; nuclear chemistry, nuclear engineering and nuclear medicine; radiology (PET, SPRINT, MRI, CAT); modeling of high intensity, laser radiation interaction with matter with coupled radiation transport, ionization dynamics, and plasma hydrodynamics models. Since coming to FIU in 1999, Dr. Roelant has been Principal Investigator on over \$50M of research from the U.S. Department of Energy and Department of Defense, the EPA, and the U.S. Nuclear Regulatory Commission. He has led research groups including Sensors, Military Technology, Environmental Science and Technology, and Nuclear. He is supported by an external board of 16 world class nuclear experts from industry, academia, government and national labs.



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