

Raymond Juzaitis, Ph.D

President of [National Security Technologies, LLC](#) (NSTec)

April 18, 2013 - [Rt. 64 Comfort Inn Monticello, Charlottesville, VA](#) at 5:30 PM

## *Changes in National and Global Nuclear Security Since the End of the Cold War*



Dr. Juzaitis will review the changes in national and global nuclear security since the end of the Cold War, and will exemplify these changes by tracking the evolution of mission for the Nevada National Security Site (NNSS) since the early 1990's. Terrorism, nuclear proliferation, and the need to adapt effective responses to emergent threats have dramatically altered the role of technology in support of U.S. national security strategy. The greatest threat today exists at the confluence of proliferation and terrorism. In the absence of full-scale nuclear testing, the NNSS has become the preferred site for the U.S. National Security Laboratories to conduct experiments to enable certification of the U.S. nuclear weapons stockpile. However, the NNSS, with its large size, geographic diversity and remoteness, tight security, and experienced nuclear workforce, is also particularly well suited for testing, evaluation, and demonstration of technologies to enable the mitigation of 21st century nuclear and other WMD threats. Finally, in light of changes in the global landscape of nuclear security, Juzaitis will propose a different framework for nurturing nuclear science and engineering professionals. The need for this is urgent, if the United States is to continue providing an international leadership role in both defense and civilian elements of the 21st century nuclear enterprise. The presentation will cover the history of the uranium discovery, the technical and political development of the project over the past 30 years, and then describe the recently completed studies, the recent action by Governor McDonnell and any updates on the work currently being undertaken by the Uranium Working Group

### **Speaker's Biography:**

Biographical Abstract: Raymond Juzaitis, Ph.D., is currently the President of [National Security Technologies, LLC](#) (NSTec). NSTec is the management and operations contractor to the

National Nuclear Security Administration (NNSA) for the Nevada National Security Site (NNSS). Prior to this position, Juzaitis was Department Head and Professor of the Nuclear Engineering Department at Texas A&M University. He took this position after 28 years of experience in the management and execution of National Security R&D programs at the Department of Energy National Laboratories (Los Alamos and Lawrence Livermore). Early career focus in nuclear computational physics paved the way for a broad-based technical career that included nuclear weapons design, development, testing, and evaluation. Career assignments included two changes of station in senior advisory position in the U.S. government: at the Pentagon (DoD), as well as at Defense Programs in DOE/NNSA. Juzaitis' educational background includes a B.S.E. in Chemical Engineering (Princeton University) and M.E. and Ph.D. in Nuclear Engineering (University of Virginia). He and his wife, Helen, reside in Las Vegas, Nevada.

**Schedule:**

- Social Hour - 5:30 p.m.
- Dinner - 6:15 p.m.
- Presentation - 7:00 p.m.
- Adjourn - 8:00 p.m..
- [Directions to the Rt 64 Comfort Inn Monticello](#) - (434) 977-3300
- The Comfort Inn is offering a special room rate of \$90 if you'd prefer to have a break in your travels.

**COST:** ~\$30 (\$15 for students) includes dinner.

Reservations for the meeting closed on Monday, April 15, 2013. Please address any questions to Reed Johnson by email at [wjohnson@kaballero.com](mailto:wjohnson@kaballero.com) (ANS) or by phone at 804-462-7409.