



Trinity Section
American Nuclear Society
P. O. Box 5367, Albuquerque, NM 87185
<http://local.ans.org/trinity/>

Southwest Regional Chapter
Institute of Nuclear Materials
Management
Albuquerque, NM 87111
<http://www.inmm.org/southwest/>



JOINT DINNER MEETING ANNOUNCEMENT

"Reducing the Nuclear Danger: Analyzing the Benefits and Challenges of a World Without Nuclear Weapons"

Speaker: Stephen M. Younger, Ph.D.,
President, National Security Technologies, LLC

Abstract: *Every U.S. President since the inception of nuclear weapons has advocated their elimination. During this talk I will outline four major challenges to nuclear disarmament: geopolitical, political, technical, and enforcement. The geopolitical system today is similar in essence to what it was at the beginning of the disastrous twentieth century – an assembly of independent national states with sovereign economic interests. How can we demonstrate that a world without nuclear weapons is more or less safe and stable than a world with nuclear weapons, including the complicating factor of proliferation? Diplomatically, how can we convince other countries that it is in their best interests to eliminate nuclear weapons? What are the technical challenges associated with assuring that a nuclear weapons free world remains that way? And, if there are violations of a weapons-free world, how will they be dealt with in an effective way?*

Biography: *Please see next page.*

Place: Courtyard by Marriott, Santa Fe
3347 Cerrillos Road, Santa Fe, NM (505-473-2800)

Directions: From Albuquerque, take 1-25 North approximately 55 miles to Exit 278 (Cerrillos Road). Hotel is located 3 miles on the left-hand side of Cerrillos Road at Richards Avenue.

Date: November 19, 2010

Time: 6:00 Social Hour with Cash Bar
7:00 Buffet Dinner (modified Italian theme, Chicken Marsala & Mahi-Mahi Provençal)
7:45 Speaker

Cost: \$30 per person, $\frac{1}{2}$ price for students and children

We strongly encourage you to sign up and pay for this event using the ANS Trinity on-line payment account. From the "Calendar" page (<http://local.ans.org/trinity/calendar.html>) select the appropriate payment button. You may use any credit card and do NOT need to have your own PayPal account.

RSVP: If you do not use on-line payment, please RSVP no later than Nov 15th to:
Markku Koskelo: mkoskelo@aquilagroup.com (505-338-8083) or
Bill Flor: wjflor@lanl.gov (505-665-8768) or
Scott Kraus: skraus@aquilagroup.com, (505-923-3155).

RSVP must be received by 15 Nov in order to give final numbers to the caterers. While we strongly encourage everyone to use on-line payment to sign up and prepay, an RSVP is a commitment to attend/pay at the door. We cannot afford "no shows" after the final count is given to the caterers, as the Section/Chapter are partially subsidizing the cost of this event. If you cancel after 15 Nov, you will still be responsible for paying.

Stephen M. Younger, PhD
President
National Security Technologies^{LLC}

Stephen M. Younger is the president of National Security Technologies, LLC, the manager and operator of the Nevada Test Site and satellite facilities in California, New Mexico, Nevada, Hawaii, Washington, D.C., and Germany. He is also a senior policy scholar at the Woodrow Wilson International Center for Scholars and a faculty member at the University of Hawaii.

From 2001 to 2004, Younger was the director of the Defense Threat Reduction Agency, a component of the U.S. Department of Defense whose mission is to reduce the threat of weapons of mass destruction. His oversight responsibilities included arms control inspections, The Cooperative Threat Reduction Program, advanced weapons development, chemical and biological defense programs, and operations in Iraq.



Prior to government service, Younger was senior associate director for national security at the Los Alamos National Laboratory. He was responsible for assuring the safety and reliability of most of America's nuclear deterrent, and managed a wide array of capabilities and facilities ranging from basic research to plutonium manufacturing. Younger was a driving force in the development of a new approach to strategic forces and deterrence in the post Cold War era, one that emphasized reductions in the nuclear stockpile and greater use of conventional weapons for strategic applications. He was the founder and first director of the Center for International Security Affairs at Los Alamos and took a leading role in opening the Russian nuclear weapons institutes for international collaboration.

From 1982 to 1989, Younger was a nuclear weapons designer at Lawrence Livermore National Laboratory in Livermore, Calif., where he developed and oversaw the testing of several new concepts in nuclear explosives. He previously served as computational atomic theorist at the National Bureau of Standards in Gaithersburg, Md.

Younger has published more than 70 papers in physics, public policy, and anthropology. He is a Fellow of the American Physical Society, recipient of the Secretary of Defense Award for Outstanding Public Service, and member of Threat Reduction Advisory Committee. His book *Endangered Species: How We Can Avoid Mass Destruction and Build a Lasting Peace*, offers a comprehensive approach to reducing the threat from weapons of mass destruction. *The Bomb: A New History*, deals with the history and future of nuclear weapons. Younger's current research and writing centers on the nexus of leadership, interpersonal violence, and warfare in chiefdoms with a focus on Pacific island societies. A book on this subject is in preparation.

Younger earned his bachelor's degree in physics from The Catholic University of America in Washington, D.C., in 1973; a master's degree in physics from the University of Maryland in College Park, Md., in 1975; and a doctorate degree in physics from the University of Maryland in 1978. He resides in Las Vegas.