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

DINNER MEETING ANNOUNCEMENT

"Is ALARA Reform Needed?"

Speaker: Dr. Eric P. Loewen, Vice President / President-Elect, ANS, and Chief Consulting Engineer, GE Hitachi Nuclear Energy (GEH)

Abstract: ALARA, as low as reasonably achievable, has shaped the nuclear industry's approach to how to deal with the interaction between humans and radiation since its inception; however, is it now too overly conservative causing unnecessary costs? Dr. Loewen will explore the history of ALARA regulation and whether this type of regulation is still needed given our current state of knowledge on radiation safety before exploring an alternative approach using limits. This is not a position that ANS has taken, rather this is an exploratory presentation on this topic to initiate the discussion on how the nuclear industry can remove regulatory costs based on President Obama's call during the State of the Union address.

Biography: Please see next page.

Place: **National Museum of Nuclear Science & History, Albuquerque, NM**
601 Eubank Blvd SE, Albuquerque, NM 87123 (505 245-2137)
Exclusive access to museum and gift shop from 5:30pm to closing included.

Directions: From I-40, exit at Eubank Blvd (Exit 165) and proceed south on Eubank to its intersection with Southern Avenue SE (slightly more than 1 mile). The museum is on the southwest corner of Eubank and Southern (enter from the Eubank side).

Date: **May 20, 2011**

Time: **6:00** Social Hour with Cash Bar
7:00 Buffet Dinner (catered by the Cooperage Restaurant of Albuquerque)
7:45 Speaker

Cost: *$30 per person, ½ price for students*

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 May 16th to:
Markku Koskelo: mkoskelo@aquilagroup.com (505-338-8083) or
Bill Flor: wjflor@lanl.gov (505-665-8768)

RSVP must be received by 16 May 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 is partially subsidizing the cost of this event. If you cancel after 16 May, you will still be responsible for paying.

Biography

Eric P. Loewen, Ph.D.

Eric P. Loewen, Ph.D., is among the youngest Presidents ever elected to head the prestigious American Nuclear Society. His election shows an appreciation among the membership for his unique skills and gifts. He's a distinguished scholar, having received his Ph.D. in 1999 in Engineering Physics from the University of Wisconsin-Madison, where he also received his M.S. in Nuclear Engineering; in 1983, he received his B.A. in Chemistry and Mathematics from Western State College in Gunnison, CO. His naval career spanned 10 years, 1983 to 1993, where he was variously an instructor at the Naval Prototype Nuclear Reactor School, Lieutenant on the USS Long Beach CGN-9 as, among other things, Nuclear Quality Assurance Officer and Surface Warfare Officer, supervising a 20-man division, and Commanding Officer at the U.S. Naval Reserve Unit in Madison, WI, commanding two 50-man Naval Reserve units supporting the USS DALE and Amphibious Squadron TWO. Starting in 1993, Loewen held vital positions at Molten Metal Technology, Inc., Oak Ridge, TN, beginning as a Research Engineer, after slightly more than one year, becoming Section Head – Nuclear Research Applications and then Project Manager of reactor using molten metal for processing of DOE tanked nuclear waste. His final position, lasting nearly two years, was Director of Nuclear Applications and Development, where he directed radioactive and mixed waste activities while supervising a staff of 13. Nineteen ninety-nine brought Loewen to the Idaho National Laboratory, where he began as Consulting Engineer to research advanced nuclear concepts and deployment of proliferation-resistant nuclear fuels, and support the Presidential-level program on Climate Change Technology at Department of Energy headquarters. In 2003, he became Interim Department Manager of Fuels and Materials, managing 15 employees at INL. His final position was as Systems Integration Manager where he integrated research and development activities of four national laboratories for the Lead Fast Reactor, managed a budget of $1.3 million, and supported the update of the State of Idaho Energy Plan.

Since 2006, he has been Chief Consulting Engineer for GE Hitachi Nuclear Energy (GEH) in Wilmington, NC, where he leads GEH's efforts to deploy the integral fast reactor, PRISM, to fission electro-metallurgically processed spent nuclear fuel and excess weapons-grade materials to meet the nation's electricity production, nuclear waste management, and non-proliferation needs.