



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

DINNER MEETING ANNOUNCEMENT

"Future of Nuclear Power after Fukushima"

Speaker: Dr. Michael L. Corradini, Vice President / President-Elect, ANS, and Wisconsin Distinguished Professor of Nuclear Engineering and Engineering Physics at the University of Wisconsin-Madison

Abstract: Please see next page.

Biography: Michael L. Corradini is the Wisconsin Distinguished Professor of Nuclear Engineering and Engineering Physics at the University of Wisconsin-Madison. He served from 1995 to 2001 as Associate Dean for the College of Engineering and as Chair of Engineering Physics from 2001-2011.

Previously, at Sandia National Laboratories, he was principal investigator for the Light Water Reactor safety research for the US Nuclear Regulatory Commission, specifically severe accident research. Michael Corradini hold a BS in Mechanical Engineering from Marquette University and both a MS and a PhD in Nuclear Engineering from the Massachusetts Institute of Technology. A more extensive summary may be found at http://www.engr.wisc.edu/ep/faculty/corradini_michael.html.

- Place:** **National Museum of Nuclear Science & History, Albuquerque, NM**
601 Eubank Blvd SE, Albuquerque, NM 87123 (505-245-2137)
Exclusive access to museum/gift shop beginning 5:30pm, with 2 docents 6-7pm.
- 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 4, 2012**
- Time:** **6:00** Social Hour with Cash Bar
7:00 Buffet Dinner (catered by the Cooperage Restaurant of Albuquerque)
(menu includes marinated sirloin, chicken/linguini, and red chili cheese enchiladas)
7:45 Speaker
- Cost:** *\$35 per person, \$15 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 April 30 to:
Markku Koskelo: mkoskelo@aquilagroup.com (505-338-8083) or
Bill Flor: wjflor@lanl.gov (505-665-8768)

RSVP must be received by 30 Apr 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 30 Apr, you will still be responsible for paying.

Abstract: The Tohoku earthquake is believed to be the one of the largest earthquakes in recorded history. The earthquake caused a tsunami, which hit the Fukushima Daiichi site, leaving it without any emergency power. The resultant damage to fuel, reactor and containment caused a release of radioactive materials to the region surrounding the plants.

Although not directly affected, the U.S. nuclear power industry will take lessons from this accident. The American Nuclear Society (ANS) formed a special committee to provide a clear and concise explanation of the Fukushima accident events, health physics, and accident cleanup as well as safety-related issues that emerged. The committee also evaluated actions that ANS should consider to better communicate with the public during a nuclear event. The committee used publically available source material from the Japanese industry and government as well as their reports to the international community as indicated in the references. The committee views do not reflect any major inconsistencies regarding accident events, health physics, and accident cleanup. The safety-related recommendations identified by the committee are consistent with what has been noted in the reports already issued from many regulatory agencies. The talk will review the ANS findings and reflect on the future of nuclear power given our future energy needs and potential options.