

## DINNER MEETING ANNOUNCEMENT

### “Accelerators: Pushing particles to revolutionize science and medicine”

Speaker: **Thomas (Thom) Mason, PhD**,  
Director, Los Alamos National Laboratory, and  
President and CEO, Triad National Security LLC

*Abstract:* please see next page.

*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 17, 2019**

**Time:** **6:00** Social Hour with Cash Bar  
(for networking between students and professionals of all levels)  
**7:00** Buffet Dinner (catered by the Cooperage Restaurant of Albuquerque)  
(menu includes carved marinated sirloin, poached salmon and vegetarian pasta sorento)  
**7:45** Speaker

**Cost:** \$40 per person (by web sign-up in advance),  
\$45 per person (not pre-paid, at the door),  
\$20 for students and children

**We strongly encourage you to sign up and pay for this event by 14 May using the ANS Trinity PayPal payment account. Visit the “Calendar” page of our web site (<http://local.ans.org/trinity/calendar.html>) and select the appropriate payment button. You may use any credit card and do NOT need to have your own PayPal account to make the payment.**

**RSVP:** If you do not use on-line payment, please RSVP no later than **14** May to:  
Matt Denman: denman@kairospower.com (617-999-2848) or  
Travis Trahan: travistrahan@gmail.com (505-695-5078).

*RSVP must be received by 14 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 14 May, you will still be responsible for paying.*

## **“Accelerators: Pushing particles to revolutionize science and medicine”**

**Thomas (Thom) Mason, PhD**, Director of Los Alamos National Laboratory, and President and CEO of Triad National Security, LLC

### **Abstract:**

Accelerators have been behind remarkable scientific advances for decades. By propelling elementary particles to high energy, these tools produce isotopes used in medical imaging, help understand the fundamental forces that created the universe, and allow us to probe the structure and dynamics of materials.

First as a scientist, then as the director of Oak Ridge National Laboratory, and now as director of Los Alamos National Laboratory, Thom Mason has developed, operated, and led some of the nation’s most critical particle accelerators, such as the Spallation Neutron Source and Los Alamos Neutron Science Center. His presentation will cover the evolution and the future of this field of science, including an underground facility for plutonium testing, the development of “tabletop” accelerators, and a radical mesoscale materials capability proposed for Los Alamos National Laboratory. (LA-UR-19-23216)



### **Biography:**



Dr. Thomas (Thom) Mason is the 12<sup>th</sup> Director of Los Alamos National Laboratory and President of Triad National Security, LLC. He has 30 years of experience designing and constructing scientific instrumentation and facilities and applying nuclear, computing, and materials sciences to solve important challenges in energy and national security.

Previously, Thom was the Senior Vice President for Battelle’s Global Laboratory Operations. He worked at Oak Ridge National Laboratory (ORNL) for 19 years, including 10 years as the Laboratory Director. He was ORNL’s Associate Laboratory Director for Neutron Sciences, ALD for the Spallation Neutron Source, and Director of the Experimental Facilities Division. He was also active in the community, serving as Chair of the Oak Ridge Public Schools Education Foundation and the economic development organization Innovation Valley.

Before ORNL, Thom was a faculty member in the University of Toronto’s Department of Physics, a senior scientist at Risø National Laboratory, and a postdoc at AT&T Bell Laboratories. Thom has a PhD in experimental condensed matter physics from McMaster University and a BSc in physics from Dalhousie University.