



DINNER MEETING ANNOUNCEMENT

"How a nuclear power startup's investment in Albuquerque will shape the future energy landscape"

Speaker: **Lou Martinez Sancho, MS,**
Vice President of Strategy and Innovation, Kairos Power

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, take Exit 165 (Eubank Blvd) south on Eubank to its intersection with Southern Ave SE (slightly more than 1 mile). The museum is on the southwest corner of Eubank and Southern (enter from the Eubank side).

Date: **November 19, 2021**

Time: **6:00** Social Hour with Cash Bar
(for networking between students and professionals of all levels)
Refreshments (beers and wines) by Bombs Away Beer Company
7:00 Dinner (catered by Slate Street Catering)
7:45 Speaker

Cost: \$45 per person (by web sign-up in advance),
\$50 per person (not pre-paid, at the door),
\$20 for students and children

Current NM DOH, Museum, and CDC recommendations for COVID-safe conduct of in-person activities will be in place. ANS Trinity Section requires that all dinner attendees be fully vaccinated against COVID and will require attendees to produce proof of vaccination upon entering the dinner venue. In accordance with NM State and Museum policy, we ask that all guests wear face masks / coverings during the event when not eating or drinking.

Guests may present a physical copy of their vaccine cards as proof of vaccination, and we will also accept pictures of your vaccine cards as sufficient proof of vaccination. For your convenience, we suggest that guests take a cell phone picture of their vaccine cards prior to the meeting in case they forget to bring the physical copy of their vaccine card.

We strongly encourage you to sign up and pay for this event by 4 Oct using the ANS Trinity PayPal payment account. Visit the "Calendar" page of our web site and select the appropriate payment button (<http://local.ans.org/trinity/calendar.html>). 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 **15 Nov** to:
Chris Perfetti: cperfetti@unm.edu (505-277-1945) or
Travis Trahan: travistrahan@gmail.com (505-695-5078).

*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 is partially subsidizing the cost of this event. If you cancel after **15 Nov**, you will still be responsible for paying.*

"How a nuclear power startup's investment in Albuquerque will shape the future energy landscape"

Lou Martinez Sancho, MS,

Vice President of Strategy and Innovation, Kairos Power

Abstract:

A study from MIT has determined that, without cost reductions, nuclear energy cannot play a significant role in decarbonizing the power sector. Indeed, the conventional nuclear development cycle is long, slow, and capital intensive. Kairos Power is disrupting this cycle by embracing a rapid iterative approach to bring down the cost of innovation. Our Albuquerque testing and manufacturing facility is at the center of the action.

At Kairos Power, our iterative development approach leverages multiple design-build-test cycles with both nuclear and non-nuclear systems preceding the first commercial reactor. Many of these components and some complete systems will be manufactured and constructed in Albuquerque. Through this series of successive major hardware demonstrations enabled by a vertical integration strategy, we are mitigating technical, licensing, manufacturing, and construction risk while establishing cost certainty.

Kairos Power's rapid iterative approach represents a paradigm shift in nuclear development – one that is necessary to deliver on our mission of enabling the world's transition to clean energy.

Biography:



Lou Martinez Sancho is the Vice President of Strategy and Innovation for Kairos Power, and has over 20 years of progressive experience managing teams in an array of industries including bio-tech, energy, automotive, and architecture, engineering and construction (AEC).

Martinez Sancho has focused on accelerating the innovation of the nuclear industry by developing strategic integration of technologies as key solutions against climate change, guaranteeing energy supply security, and competitiveness of energy prices.

Martinez Sancho is the former Chief Innovation Officer of Spie Batignolles and also served as Vice President of Global Innovation at Framatome Groupe (formerly AREVA). Martinez Sancho earned a bachelor's degree from Ramon Llull University in Barcelona and obtained two Master of Science degrees in Physiology and Biomechanics at Pierre et Marie Curie-Paris VI University, and in Human Factors Engineering at René Descartes-Paris V University. Martinez Sancho is Master Black Belt Lean Six Sigma certified by The Ohio State University.