

DINNER MEETING

OVERVIEW OF NUCLEAR ENERGY RESEARCH
AT LOS ALAMOS NATIONAL LABORATORY

CHRIS STANEK

DIRECTOR OF NUCLEAR ENERGY PROGRAMS



ABOUT THE EVENT:

COURTYARD BY MARRIOTT SANTA FE

3347 Cerrillos Rd, Santa Fe, NM 87507

Join the Trinity Section of the American Nuclear Society for a Dinner Meeting with Chris Stanek from Los Alamos National Laboratory.

- **6:00** Social Hour with Cash Bar
- **7:00** Buffet Dinner
- **7:45** Speaker

CONTACT:

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RSVP:

Advanced Registration: \$45

Tickets at Door: \$50

Students & Children: \$20

APRIL 24, 2026

[Online Registration: trinity.ans.org/calendar](http://trinity.ans.org/calendar)

DINNER MEETING

OVERVIEW OF NUCLEAR ENERGY RESEARCH AT LOS ALAMOS NATIONAL LABORATORY

ABSTRACT

In this presentation, an overview of nuclear energy research at Los Alamos National Laboratory (LANL) will be provided. Nuclear Energy research at LANL is focused on the core capability areas of: Reactor Design, Nuclear Experiments, Advanced Fuel Development, Materials (structural, moderators), Used Fuel and Repository R&D, and Safeguards Science. These topics are not only highly related to LANL's primary mission but are also inspired by and connected to its history. In addition, this presentation will provide specific examples of research being conducted in these areas, such as how modeling and experiments are being coordinated to accelerate fuel qualification and recent nuclear experiments are enabling next generation advanced reactor design. Some examples of LANL's early nuclear reactor research will also be presented to help explain the current research portfolio. In addition to several technical highlights, private-public partnerships will also be discussed.

BIOGRAPHY

Chris Stanek is the Director of Nuclear Energy Programs at Los Alamos National Laboratory. He was previously the National Technical Director of the U.S. DOE, Office of Nuclear Energy, Advanced Modeling and Simulation (NEAMS) program from 2015-2024, he also led the nuclear materials and fuels research effort in the Consortium for Advanced Simulation of LWRs (CASL) Energy Innovation Hub. Stanek received his B.S. in Materials Science and Engineering at Cornell University and his Ph.D. in Materials from Imperial College London under the supervision of Sir Robin Grimes. His research focuses on advanced modeling and simulation for nuclear energy, and he has published more than 120 papers on these and related topics. He is a Fellow of the American Nuclear Society, has served on the editorial advisory board of *Nuclear Engineering and Design*, and was an associate editor of the *Journal of Nuclear Materials* from 2015-2025.