

NOMAD RESEARCH INSTITUTE

CUTTING EDGE RESEARCH. COLLABORATION.
NETWORKING. SOUTHWEST CULTURE.

The **Nonlinear Mechanics and Dynamics (NOMAD) Research Institute** seeks to tackle research challenges in the field of nonlinear mechanics and dynamics by forming diverse teams of B.S., M.S., and Ph.D. students. The program is sponsored by Sandia National Laboratories and the University of New Mexico.

The Program.

- The program will run from **Mid-June to Late July/Early August 2024** at the University of New Mexico Campus in Albuquerque, NM
- You are matched with research projects based on your **research interests and skills.**
- **Internships available** to U.S. citizens, legal permanent residents, asylees or refugees in the U.S. (See job posting ID Grad #691300 & UnderGrad #691318)

The Benefit.

- Meaningful work in your area of interest to improve understanding of **cutting edge research and development**
- **Short-term position** to accommodate the graduate research commitments of students
- An opportunity to **present and publish** novel research in nonlinear mechanics and dynamics

The Engineering Disciplines.

- Mechanical
- Civil
- Aerospace
- Engineering Mechanics
- Applied Mathematics
- Materials

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Visit NOMAD online at sandia.gov by visiting <http://tinyurl.com/gw8r5wf>



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A QUICK LOOK AT NOMAD



History and Overview.

Founded in 2014, NOMAD is a collaborative and educational research institute that unites graduate and undergraduate level students to work on challenging research problems in engineering sciences.

The institute is co-hosted by Sandia National Laboratories and the University of New Mexico.

NOMAD's inaugural year (2014) was held at Sandia National Laboratories; since 2015, it has been held at the University of New Mexico Campus.

On average, each year there are six projects consisting of three students and two to four mentors.

2023 Highlights.

Six projects consisting of experimental and computational aspects. (see website for project details <http://tinyurl.com/gw8r5wf>).

Weekly technical seminars on topics related to nonlinear mechanics and dynamics from Sandia staff and visiting professors.

Organized manager deep dives and guided tours to explore Sandia's technical focus areas and career opportunities.

Students presented research discoveries at the final NOMAD technical seminar.