

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, as well as post-doctoral and early-career researchers. The program is sponsored by Sandia National Laboratories and the University of New Mexico.

The Program.

- Held from **June 14, 2021** to **July 29, 2021** 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 (see job posting ID **#673061** for graduate positions)

The Benefit.

- Meaningful work in your area of interest to improve understanding of **cutting edge research and development**
- Collaborate with researchers from around the world under the mentorship of the **professional community**
- **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

The Contacts.

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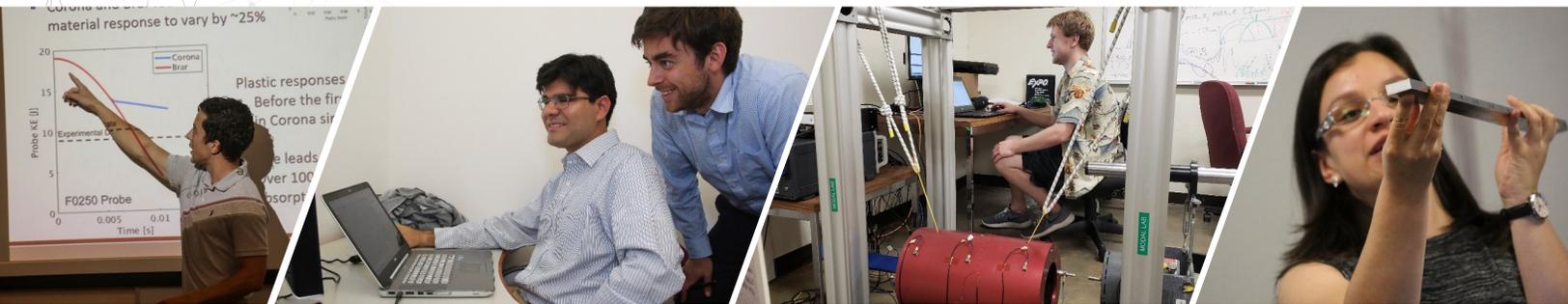
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Visit NOMAD online at sandia.gov by visiting <http://tinyurl.com/gw8r5wf>



Sandia National Laboratories is a multitechnology laboratory managed and operated by National Technology and Engineering Solutions of Sandia, LLC, a wholly owned subsidiary of Honeywell International, Inc., for the U.S. Department of Energy's National Nuclear Security Administration under contract DE-NA0003525. SAND2020-8756 HR

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.

2020 Highlights (held virtually).

Computational projects only due to virtual format (see website for project details <http://tinyurl.com/gw8r5wf>).

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

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

Students presented research discoveries at the final NOMAD technical seminar.