



KINEMATIC CHAOS COMES TO OUR COLLEGE

Excerpt from full article

This year, New Mexico Tech's Mechanical Engineering department, along with some hard working volunteers, held its inaugural Robot Combat Competition.

Robot Combat is a tournament-style event, where teams create robots that then compete head-to-head with another team's robot in a demolition derby style match. The winner of the match is determined by a points system. Teams can earn points for various moves throughout the match, as well as how well their robot runs after the match. Until this year, NMT students travelled to compete in Dallas, Texas. While the competition in Texas provided great experience, students and faculty in the Mechanical Engineering department saw an opportunity to create their own competition.

-Written by Eleanor Rightley

The robot combat competitions are planned to be annually held each April and November.

You can read more and sign up [here](#)

LATEST MECHANICAL ENGINEERING NEWS:

[KRQE Recognizes NMT
Students for Rocket Launch at
Spaceport America](#)

[Apollo's Sister, Artemis](#)

[NMT Mechanical Engineering
Professors Awarded NASA Small
Business Technology Transfer
contract](#)

NEW MEXICO TECH
SCIENCE • ENGINEERING • RESEARCH UNIVERSITY

Department of Mechanical Engineering

Mechanical Engineering
Web 122
401 Leroy Place
Socorro, NM 87801
(505) 646-3683
<http://www.nmt.edu/academic/mecheng/>

STUDENT DESIGN

FLUID MECHANICS

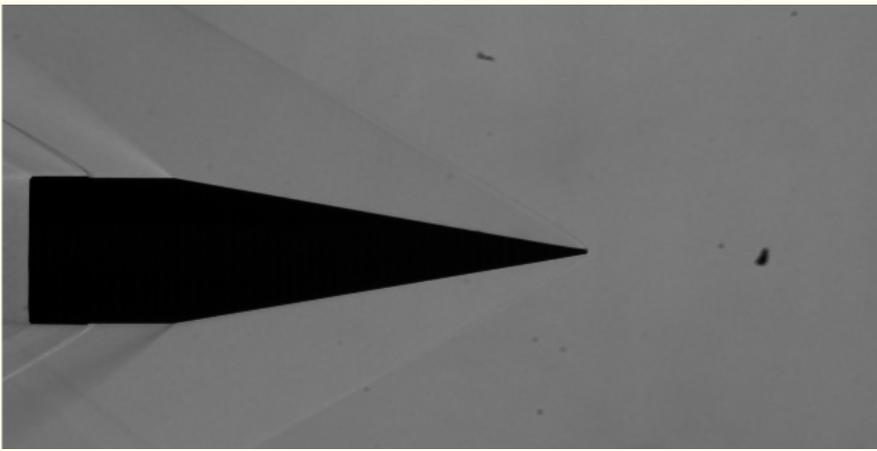
SOLID MECHANICS

INTELLIGENT SYSTEMS

CONTROL SYSTEMS

ENERGETICS

AEROSPACE



FEATURED RESEARCH- PMMA FRACTURE AND PROPOGATION

Excerpt from full article

Going to college for an undergraduate degree is a big and sometimes scary commitment. Pursuing a graduate degree can be an even bigger challenge, even just making the decision on whether to go for graduate work can be terrifying. Sivana Torres, a Mechanical Engineering PhD student pushed through this boundary, taking her out-of-the-box thinking and putting it towards her research.



Sivana, a New Mexican native, completed her undergraduate at NMT in Petroleum Engineering. In her last couple years at NMT as an undergraduate student, she took a Thermodynamics class with Dr. Hargather, saying she “really enjoyed the fluids but didn’t realize how broad the applications could be.” This was a foundational moment in her decision for graduate studies.”

- *Written by Alexandra Sartori*

You can read the full article [here](#)

[To read more about NMT Mechanical Engineering research](#)

Department
Mission
Statement:
The mission of the
NMT Department
of Mechanical
Engineering is to
provide a quality
education, to
conduct strong
research
programs, to
foster a close
partnership with
industry and
government, and
to provide related
service to the
campus
community and
the community at
large.

To Support Mechanical
Engineering, click [here](#)

Latest Design Clinic Teams:

- [Capstone to Work](#)
- [Immortal Data Space Payload](#)
- [Gravitation Education Device](#)
- [Crack Filler Robot](#)
- [Amphibious Drone](#)
- [Sounding Rocket](#)

Upcoming Events:

- [Battlebot competition- September](#)
- [Drone Competition- Coming soon, projected for August](#)

Mechanical Engineering
main page [here](#)



FEATURED ARTICLE- FOUR NMT STUDENTS RECOGNIZED IN AIAA NEWSLETTER

Written by Eleanor Rightley

A handful of New Mexico Tech students recently made news within the aerospace industry. Four Mechanical Engineering students were recognized within The American Institute of Aeronautics and Astronautics (AIAA) New Mexico chapter's June 2021 Newsletter.

Brenden Herkenhoff and Jarod Fisher were recognized as part of a team that designed and created a portable wind tunnel that AIAA had commissioned for STEM outreach purposes. During the May 2021 AIAA chapter meeting, they even got to present their design and production processes and discuss the importance for a larger scale production of these portable wind tunnels in terms of project analysis and systems management.

Sara Lanctot was recognized for her part in a panel discussion talking about her journey and experience interning with NASA during the 2021 spring semester. Sara has been involved with many intriguing research projects at New Mexico Tech, learning quite a bit about the topic of aerospace engineering, especially concerning the moon. The newsletter discusses the papers Lanctot has written concerning her research, one even being accepted into the AIAA Aviation Conference.

The chairman of the New Mexico Tech student chapter of AIAA, Savannah Bradley, was also mentioned because of her feature on the daytime talk show Tamron Hall where she described her experience being the youngest pilot to fly in the International Balloon Fiesta.

The American Institute of Aeronautics and Astronautics, formed in 1963, is now the largest technical society dedicated to aerospace research. Making AIAA a leading aerospace publisher, with a well renowned reputation for publishing cutting edge research and information. Having students recognized in their publications is an enormous honor for the university.