



Spring 2015 Newsletter

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NMSPE E-Week Recap – Engineering New Horizons

Taking place on a snowy day in Albuquerque, the annual Engineers Week celebration was held at the Embassy Suites on February 27th. The day began with six educational sessions ranging in topics from “Emergency Management and Wildfires” (presented by Stephen Guerin, RedfishGroup) to “Cyber Security” (Richard Byrne, State of New Mexico). Other sessions included “Batteries and Microgrids” (Abbas Akhil, Renewable Energy Ventures), “Alamogordo Regional Supply Project” (Robert Fowlie, CDM Smith), “Bio Energy” (Peter Lammers, Arizona State University), and “Aerospace and Intellectual Property” (Deborah Peacock, Peacock Myers).

Following the morning’s educational segments, nearly 350 people attended the awards banquet to recognize members of the Engineering community, including:

- **UNM Outstanding Engineering Student:** Erika Hernandez Hernandez
- **NMT Outstanding Engineering Student:** Kyle Benalil
- **Engineering Project of the Year:** Bohannan Huston/Kiewit for the Paseo/I-25 Interchange Project
- **Young Engineer of the Year:** Amelia Scharrer, WHPacific
- **Engineer of the Year for the Public Sector:** John Stomp, Albuquerque Bernalillo County Water Utility Authority
- **Engineer of the Year for the Private Sector:** Gordon Walhood, Bohannan Huston (Retired)
- **Outstanding Service Award:** Kerrie Greenfelder, CDM Smith
- **Distinguished Lifetime Engineering Achievement:** Robert Woods

Christine Anderson, Executive Director of Spaceport America, concluded the luncheon with a keynote presentation highlighting the commercial space industry and New Mexico’s role in its advancement. Located just west of White Sands Missile Range, Spaceport America is the world’s first purpose-built commercial spaceport and currently operates vertical and horizontal space launches with UP Aerospace, SpaceX, and Virgin Galactic; includes a Spaceport Visitors Center, Shuttle Transportation Experience, and Gateway Gallery; and hosts special events.

In addition to the educational sessions, awards celebration, and ethics training on Friday, activities for the 64th E-Week also included the Order of Engineer ceremony on Monday and a field trip to the Spaceport that has been rescheduled for May 23rd due to previous inclement weather (registration is still open; see page 3 for more information).

We hope you enjoyed celebrating the important contributions engineers make, and we hope you will join us next year!



President Nadir Yilmaz and Past President Kerrie Greenfelder



Eight outstanding engineering students from the University of New Mexico and the New Mexico Institute of Mining and Technology were recognized for their accomplishments: Andrew Gabrysiak, Kyle Benalil, Ron Hruban, Kimberly Martinez, Patrick O’Rourke, Ben Mixon-Baca, Regina Eckert, Erika Hernandez Hernandez, and Stephanie Ober



MathCounts Recap



MATHCOUNTS promotes math achievement with all the challenge of a school sports event. Student Mathletes train individually and in teams for the opportunity to compete in local, state, and national competitions. Prizes are awarded at all levels, including hundreds of thousands of dollars in scholarships and prizes every year.

The Albuquerque Chapter held its competition on February 14, 2015. The turnout was excellent with 150 students participating. The winners of each category include the following:

Team:

1. Desert Ridge
2. Albuquerque Academy
3. Jefferson
4. AIMS at UNM
5. ABQ School of Excellence

Individual:

1. Brad Zhang
2. John Tran
3. Jun Garcia
4. Eric Swiler
5. Tejas Kandath
6. Oscar Laird

Countdown:

1. Brad Zhang
2. John Tran
3. Tejas Kandath
4. Jun Garcia

The top teams and individuals advanced to the State competition and from there, the top four students will make up the New Mexico MATHCOUNTS team, which will compete in Boston, Massachusetts. New Mexico students are becoming well known at the National competition with a top 20 performance FOUR years in a row.

Many thanks to all of our volunteers who turned out and gave up their Saturday to help make this event a success!

Here are a few of the questions that were asked of the Mathletes. How quickly can you solve them?:

What is the remainder when the sum $2015^3 + 2015^2 + 2015^1 + 2015^0$ is divided by 5?

The marks on a certain ruler are evenly spaced $1/16$ inch apart. The numbers on this ruler are evenly spaced 1 inch apart. How many marks on this ruler are strictly between the 2-inch mark and the 5-inch mark?



Team 1st Place: Desert Ridge



Individual 1st Place: Brad Zhang



Countdown 1st Place: Brad Zhang



Mark Your Calendars

May

NMSPE Albuquerque's May Luncheon

11:45am -Tuesday, May 12
Albuquerque Marriott

The May luncheon speaker is yet to be determined, but information will be emailed as soon as it is available

American Concrete Institute NM Chapter - ACI 318 Seminar

8am - 5pm Tuesday, May 19
Albuquerque Marriott
Pyramid North

Attendees receive 0.75 CEUs
or 7.5 LUs, worth 7.5 PDHs

Visit <http://www.concrete.org/education/seminars.aspx> for registration information

Rescheduled SPACEPORT TOUR!



6:30am - 3:30pm
Saturday, May 23

6:30 - Follow the Sun Tour Bus will leave CDM Smith parking lot 9 - Processing activities begin near Elephant Butte
Lunch - The Owl in San Antonio
3:30 - Arrive back in ABQ

Cost is only \$60 per person.
Email NMSPEABQ@gmail.com to reserve your space

**Don't miss the fun!
Tours will be available for
a limited time only!**

June

NMSPE Annual Meeting

7:30am - 4:30pm Friday, June 12
The Rotunda at the UNM Science & Technology Park
801 University Boulevard SE, Albuquerque, New Mexico

6.5 PDHs (includes 2.0 PDH ethics) - Visit <http://nmspe.org/events/> for more information

July

16th Annual Albuquerque Airport Golf Challenge

8am Shotgun Start - Saturday, July 11
Sandia Golf Club

\$500 per team (\$125 per player)
\$500 Sponsorships Available

Deadline for Registration and Payment is **June 26**

A portion of the proceeds from the Golf Tournament will benefit **MATHCOUNTS!**
Contact Tom Parker at parkert@cdmsmith.com for more information

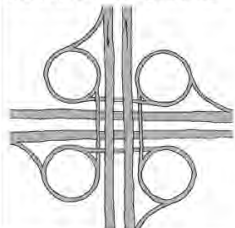




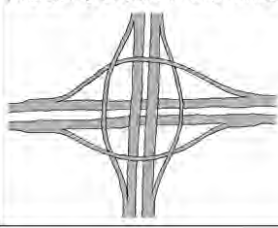
Fun and Updates

HIGHWAY ENGINEER PRANKS:

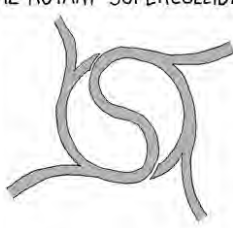
THE INESCAPABLE CLOVERLEAF:



THE ZERO-CHOICE INTERCHANGE:

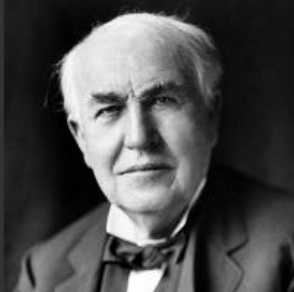


THE ROTARY SUPERCOLLIDER:



To invent, you need a good imagination
and a pile of junk.

- Thomas A. Edison



Membership Benefits!

Do you know any students, interns, new P.E.s, established professionals, or retired engineers who would benefit from being a member of NMSPE Albuquerque Chapter?

NMSPE Albuquerque:

- Engages Members in meaningful and effective ways through networking activities and educational and client-focused events
- Provides real and tangible value through continuing education opportunities in professional and personal development
- Encourages Members to give back through MATHCOUNTS, mentorship, and other outreach opportunities
- Promotes a high level of professionalism and ethical standards
- Provides membership involvement opportunities throughout all levels of the engineering career

Visit the "Join" section of our **newly designed website** to fill out a registration form today:

www.nmspealbuquerque.org

Board Member Contact Information

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