



The Flying SHPE

The Society of Hispanic Professional Engineers at Lockheed Martin

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Important Contacts at shpefortworth.org

[James Narey](#)
SHPE President
Desk: (817) 777-3591

[Karla Rovirosa](#)
VP - Professional Development
Desk: (817) 777-6217

[Juan Tezanos](#)
VP - Community Outreach
Desk: (817) 655-8943

[Gabe Beard](#)
Director - Community Outreach
Desk: (817) 777-9317

[Juan Paul \(JP\) Gonzalez](#)
Director - Membership
Desk: (817) 777-8398

[Oscar Esqueda](#)
Treasurer
Desk: (817) 777-0927

[Carlos Garcia](#)
Secretary
Desk: (817) 763-7924

[David Sanchez](#)
Marketing
Desk: (817) 762-2482

[Thania Balcazar](#)
Networking/Events
Desk: (817) 763-7445

[Janeth Macias](#)
Historian
Desk: (817) 777-1837

[Jesus J. Corral](#)
Website
Desk: (817) 763-2996

[Alexander Eksir](#)
Executive Advisor
Desk: (817) 777-7880

[Tom Bradley](#)
Executive Advisor
Desk: (817) 777-9494

SHPE LM Aero Chapter Rolls Area FIRST



The Society of Hispanic Professional Engineers (S.H.P.E.) Lockheed Martin Aeronautics-Fort Worth professional chapter mentored a local high school For Inspiration and Recognition in Science and Technology (F.I.R.S.T) Tech Challenge robotics team at Trinity High School in Euless, Texas. The SHPE LM Aero mentors were Joksan Holguin, Matthew Beard, Jesus Corral, and James Narey. The Trinity FIRST Tech Challenge team competed in two area qualifying tournaments. The Trinity robotics team name was called Orozco's Army after the Harry Potter themed Mrs. Dumbledore's Army on behalf of the team's teacher sponsor name. Orozco's Army team robot design utilized a tank tread-based drive-train system with a goal

of picking and lifting up crates, a claw to pick up balls and put them in the crates, and then pushing a bowling ball up a ramp into their high goal. Trinity qualified for the Regional tournament on January 28 at the Dallas qualifier tournament located at the University of Texas at Dallas where they made it into tournament elimination matches and also took home the Motivate special award. The team then competed in their home qualifier tournament in Fort Worth at the Ben Barber Career and Technology Center located in Mansfield, Texas on February 11. At Mansfield, Trinity qualified for the tournament elimination matches and finished in 1st Place on the Champion Winning Alliance. They also took home the Connect special award and were the runner-up finalist to the Tournament's top special award, The Inspire Award. Most recently on March 3, the Trinity robotics team competed in the FIRST Tech Challenge Southwest Regional competition hosted by the University of Texas at Arlington against 25 other FTC teams from all across the North-Central Texas area. The Trinity robotics team qualified for the final tournament elimination before their season ended in a first semi-final match loss. That didn't stop them though; because they still were finalist for the Connect, Motivate, and the Tournament's Top Inspire special award. The Trinity team took home the Think special award on March 3. The UTA southwest regional championship sent only one team, the winner of the Inspire award, to the FIRST World Championship Tournament in St. Louis, MO on April 25-28, 2012. The Trinity robotics team success this year was built around a solid robot design, good team strategy, their ability to fundraise, connect with the science and engineering community for assistance, strong team dynamics, and demonstration of gracious professionalism.

SHPE at LM Aero is a 501c3 non-profit organization whose vision is to empower the Hispanic community of Fort Worth to attain careers in the fields of science, technology, engineering, and mathematics (STEM) and excel as technical and professional leaders.

Texas A&M SHPE Golf Tournament

Texas A&M would like to have an LM representative or SHPE LM Aero member for their golf tournament on April 10. If you would like to volunteer for this great event, please contact [Karla](#).



SHPE Events and News

SHPE TAMU mentoring partnership

Anyone interested in mentoring our fellow students with the SHPE TAMU chapter, then contact [Karla Rovirosa](#).

SHPE UTA End of Year Banquet

When: Saturday, May 12

Time: 7:00pm to 10:00pm

Tickets - \$15 for 1 or \$25 for two.

Where: E.H. Hereford University Center

What: The unveiling of the new SHPE UTA 2012-2013 officer announcement, end of year awards banquet and special guest speaker SHPE DFW professional chapter VP of Professional Development, Aaron De Los Santos, from Raytheon.

Visioneering

Visioneering is an annual event hosted on the campus of SMU and sponsored by the Lyle School of Engineering, Texas Instruments, Lockheed Martin, Fluor Corp., Raytheon and the The Pettinger Foundation. It is a wonderful, exciting half-day event that introduces middle school students to engineering.

When: Saturday March 31, 2012 from 7:45 AM to 12:00 PM

Where: SMU- Moody Coliseum, 6024 Airline Road, Dallas, TX. To register, click [here](#)!

Girl Scout STEM Conference

What: Design Your World – STEM Conference for Girls

When: Saturday May 5, 10am-3pm

Where: University of Texas at Arlington's College of Engineering Nedderman Hall, 416 S. Yates Street, Arlington TX

Cost: \$10/girl

<http://stemforgirls.wordpress.com/>

SHPE DFW Scholarship

The SHPE DFW 2012 scholarship is now open for applying! Click [here](#) to read the requirements and download the application. The deadline is April 27, 2012. If you know of any current undergrads or graduating high school seniors who are pursuing degrees in STEM fields, encourage them to apply to the scholarship.

Parkland and Hanks High School Robotics Teams

SHPE will be hosting the Parkland and Hanks High School Robotics teams from El Paso, TX on Wednesday March 28th from 9:00 am - 12:00 pm. We are requesting 5 escorts to help support this event. The students will be attending a robotics competition in DFW, and are very excited for their tour of our facility. This is an excellent opportunity to give back to the community and to expose these students to the world of STEM at Lockheed Martin. All volunteers should plan to arrive and meet at Bldg 200 Lobby by 8:50 am on Wednesday morning.

Agenda:

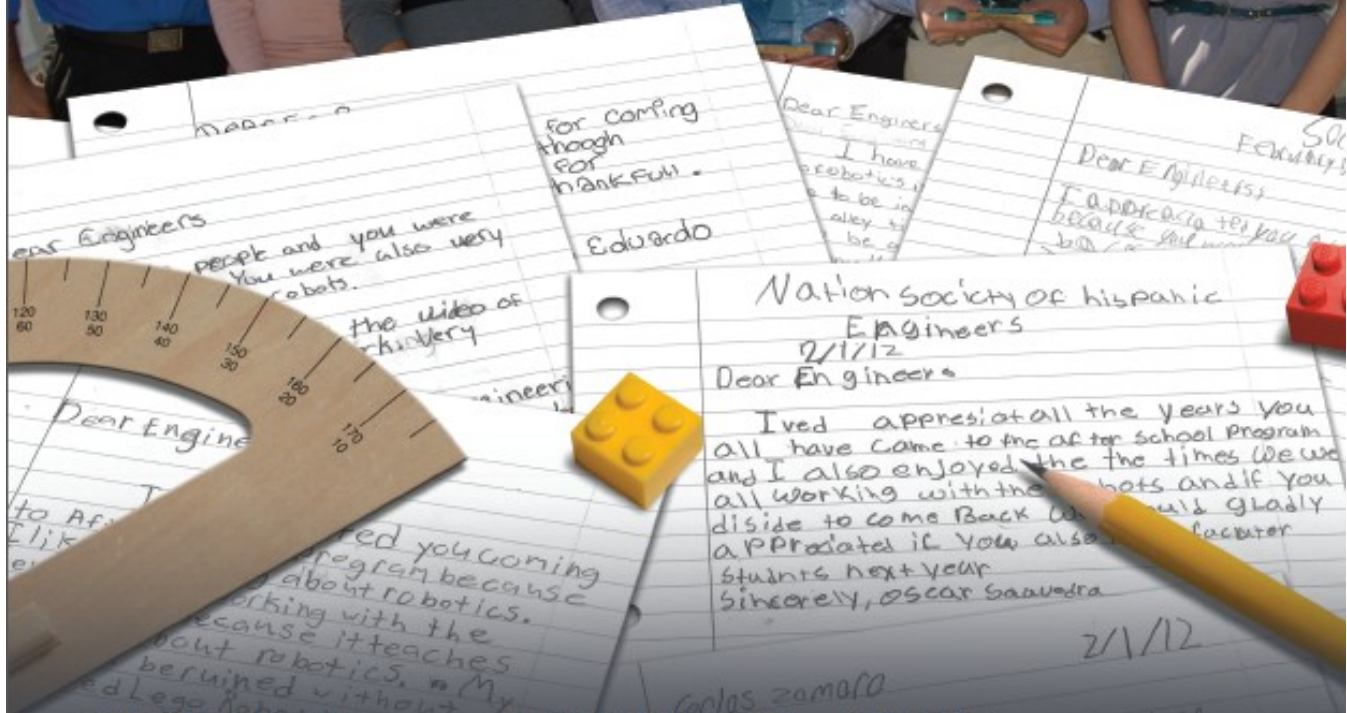
| Time | Description |
|---------------|--|
| 9:00 – 9:30 | Visitors arrive & check in, escort to meeting room |
| 9:30 – 10:30 | Welcome & LM Overview |
| 10:30 – 11:30 | Factory Tour |
| 11:30 – 12:00 | Escort Students back to Lobby |

Please contact [Gabe Beard](#) if you are available to support, your cooperation is highly encouraged and appreciated.

New SHPE National Website

SHPE National overhauled the SHPE website. In case you haven't seen it. Check it out. See the link: www.shpe.org.

SHPE LM Aero Motivational Flyer



SHPE Vision Statement

A world where Hispanics are highly valued and influential as the leading innovators, scientist, mathematicians and engineers.

SHPE Mission Statement

SHPE changes lives by empowering the Hispanic Community to realize its fullest potential and to impact the world through STEM awareness, access, support and development.

Benefits of Membership

- Networking opportunities
- Leadership and professional development
- Receive discounted registration to the annual SHPE National conference and other seminars
- Complimentary subscription to the SHPE national magazine

2012 RLDC 5

The Regional Leadership Development Conference
University of Texas Pan American, April 13-15

National Conference 2012

SHPE National Conference
Fort Worth, Nov 14-18.

For Questions contact Karen Siles,
Region V Vice President at
rvp5.shpe@gmail.com



Find us on Facebook

SHPE Regional Leadership Development Conference - Updates

Here are some regional update details on the conference.

Key Features-

1. New Pre- College track
2. Lobos Academic Olympiad - New! (Taking professional volunteers to help out as judges)
3. Upgraded Rooms - Everyone is getting upgraded to a suite.
4. Amazing Recreation Facilities – Pool, Sand Volleyball, Indoor Volleyball, Workout Facilities, etc.
5. Standardization of the workshops by National. So every RLDC or ETLC across the nation will have similar workshops offered by the National Staff. Just different volunteers for speakers at the various regions.
6. Lots of opportunities to win lots of Regional awards.
7. Volleyball Tournament – Looking to get a team from each chapter.
8. Live Salsa Music and DJ after the banquet on Saturday night
9. Tour of the city and South Padre Island beach for those that are interested on Sunday prior to heading home.

The RLDC website is: <http://rldc2012.wordpress.com/about/>

Check out the new RLDC V marketing video:

<https://docs.google.com/file/d/0ByJEAKpq5aDmOGtRQ19lcmpTSIN4MTF1all3ZzFWUQ/edit?pli=1>

Protocol Workshop on April 5

Juan Carlos Cué Vega, Ambassador and Consul General of Mexico, along with Patricia Moore, President, Sentrum International Corporation and former diplomat, originally from Bogota, Columbia, will share the business structures, perceptions and etiquettes of Latin America.

Joining them, Juan Hernandez, advisor to former Mexican president Vicente Fox and a Fort Worth native, will add his expertise.

Special guests engineering students from TEC de Monterrey University in Toluca, Mexico will also be in attendance.

| | |
|-------------------------|---|
| Thursday, April 5, 2012 | \$25 (Sister Cities members) / \$30 (non-members) |
| 6:00 p.m - 8:00 p.m. | Cost includes foods from Latin America and training materials. |
| The Gardens Restaurant | RSVP by Friday, March 30th |
| 3220 Rock Springs Rd. | 817/ 632– 7105 • beth@fwsistercities.org |
| Fort Worth, TX 76107 | |

Noche de Ciencias Highlights

On February 21st, the SHPE DFW chapter held a Noche de Ciencias (Science Night) at J.L. Long Middle School. Over 50 middle and elementary students, and parents attended the event along with 14 professional volunteers.

The goal of the event was to spark an interest in STEM fields for the students. The middle school students were broken up into teams and competed to build a bridge using only 2 cups, straws, toothpicks and marshmallows. The bridge who could support the most weight (golf balls) was the winner. The elementary students worked in teams to build the tallest tower using only toothpicks and marshmallows. Meanwhile, parents were given a workshop on how to prepare for secondary education for their kids including class selection in high school, financial aid, and college admissions process.

