



The Flying SHPE

The Society of Hispanic Professional Engineers at Lockheed Martin

December 20, 2011

Volume 2, Issue 4



Important Contacts at shpefortworth.org

[James Narey](#)

SHPE President
Desk: (817) 777-3591

[Karla Roviroso](#)

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

[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

[Mike Glass](#)

Engineering Advisor
Desk: (817) 777-1803

[Tom Bradley](#)

Executive Advisor
Desk: (817) 777-9494

De la Oficina del Presidente



Dear SHPE Familia,

With the holidays right around the corner, many of us are making plans to spend time with family and friends taking a break from work and indulging in those special treats and activities we don't make time for during the rest of the year.

As we close out the year, I want to thank everyone that has supported your local SHPE chapter. SHPE at LM Aero a wonderful year including receiving both the national and regional medium professional chapter of the year at the National Conference in Anaheim, CA. This represents the third time in the last five years that we have achieved the top national honor and five of the last five years that we have received the regional award.

In the community outreach, we have reached out to 260 K-12 students and 100 college students this year. We hosted a SHPE national program initiative with our Noche de Ciencias event at Trinity High School in October. We have continued existing programs through our Lego Lab, Si Se Puede, and TrojanTalk mentoring programs. Our Diamond Hill-Jarvis FIRST robotics mentoring team did very well in 2011 by receiving 2nd place at the state competition. We maintained existing partnerships with the Technology Institute of Monterrey, Toluca MX, Trinity High School Science Society, and South Hi Mount Elementary students and faculty. We have continued to support our SHPE regional student chapters through our factory tour program, SHPE conference interview bootcamp, UNT and UTA picnic.

In professional development, we continue to support regional and national SHPE professional development events. We sent 4 members to the National conference, 2 board members to NILA, and 2 members attended the regional leadership retreat at UTSA in September. We have started up our book club and familiarized SHPE members with 3 areas of LM through our VIP tour program including the F-35 assembly line, F-35 SimSIL, and the Nanotechnology MX lab tour. We also hosted a Myers-Briggs Personality Indicator Training Workshop.

In chapter development, we have continued established events like the long lunches, holiday socials, and game nights as well as added a few new events like an International Food Night and Halloween Fall Festival.

In 2012, we have nineteen community outreach activities planned including science nights, career days, and factory tours. Our 2012 FIRST robotics mentoring team at Trinity High School also has two qualifier competitions coming up – January 28 and February 11. We wish our Trinity HS robotics team the best of luck as they enter the competition rounds. We are also in the process of establishing a new SHPE Jr. chapter by partnering with the Trinity High School Hispanic Scholars Program. We are working with the students to officially incorporate the chapter in January 2012.

The SHPE National board of directors will be visiting Region V in February. Fort Worth is the host city and Fort Worth is the host city to survey the site of the 2012 National Conference in Fort Worth, TX. The chapter will be hosting its first annual charity golf tournament this spring. The golf tournament will be held Monday, April 2 at Squaw Creek golf course. The purpose of the event is to raise money for our scholarship program. We will also be giving away our 2nd annual scholarship award to college-bound, graduating high school seniors in the Tarrant County area. We are also planning an end of the year SHPE member volunteer recognition luncheon in May.

Please check the chapter website www.shpefortworth.org for future event updates and to become a member. I encourage each of you to get involved by participating in one or more chapter activities. It doesn't take much to help make a difference changing lives by volunteering in the community. There will be many opportunities to help out whether it be with one of our many community outreach programs, golf tournament, scholarship, or national conference planning committees. So on behalf of the SHPE at LM Aero board of directors, I wish everyone a safe Merry Christmas and Happy New Year. I look forward to seeing all of you at a future event in the new year. Thank you and God Bless.

James Narey, SHPE at LM Aero President

Jaime Silva - Retirement Announcement



Friends and Colleagues,

I will be retiring Dec 22nd with mixed feelings of joy and happiness... except for missing the great people in LM Aero I've worked with for six years. I will also miss working on programs of great importance to this Nation and our freedoms.

I remember telling new college hires why the opportunity for advancement in LMCO was so great. That in the next 10 yrs over half of the current employees would have to retire. Although I am taking a ten-year lead on the normal retirement age, the time is here where a lot of the people that maintained this company in the forefront of aerospace are indeed retiring. I declined the offer for a farewell reception but did take the offer for a retirement portrait (attached). I'd rather leave the retirement lunch for the real heroes that have put over 20 or 30 years here.

It is up to you to carry this legacy and thrive. Work on your communication skills and things that make you of great value in a team environment.

I am looking forward to time off to pursue other interests and seeing you at local SHPE activities.

Best wishes for success, have a Merry Christmas and a Happy New Year!

Jaime

jrsilva75@yahoo.com

Newest SHPE at LM Aero Executive Sponsor Announcement



Fellow SHPE Officers and Advisors,

At this time, I would like to take this opportunity to welcome the newest executive sponsor into the SHPE at LM Aero chapter. Dr. Alexander Eksir, LM Vice President of Quality and Mission Success, at Lockheed Martin Aeronautics Company in Fort Worth. Dr. Eksir was recommended by our former executive sponsor, Mr. Mike Glass, and will be joining the SHPE at LM Aero organization as Mike's replacement alongside our other executive sponsor, Tom Bradley – Aeronautics VP of Finance.

Given Dr. Eksir's enthusiasm to be our newest executive sponsor and with his background, I believe he will be a valuable asset to support our organization. His current role in the company is to oversee the development and integration of the Q&MS strategy across the Lockheed Martin Aeronautics enterprise. He has over 25 years experience in the aerospace, commercial electronics, and biomedical industries. He holds a Black Belt and Master Black Belt in Six Sigma from the Juran Institute. He holds bachelor's degree in industrial design from the University of Florence, Italy, and his master's degree in business administration from National University. He earned his Executive Doctor of Management at Case Western Reserve University, Weatherhead School of Business.

He is a world traveler who speaks four languages, and is an advocate for cultural diversity and inclusive thinking. He has conducted business in more than 46 countries around the world including many countries with a Latin heritage. He and Mike met recently during a trip to UTEP where Mike spoke very highly of his work with the university faculty, staff, and students. Alex also has a history of working with UTEP and sponsoring other Latino affinity groups to ensure that the organization has a sound social, cultural, and educational alignment to the business in shaping a brighter future for all of us.

Please help me give Dr. Eksir a warm welcome into the SHPE at LM Aero familia! I look forward to seeing Alex at some of our future events. I believe that the Dr. Eksir and Tom Bradley LM executive sponsorship team will help give SHPE at LM Aero the resources and guidance that it needs to continue to be a successful professional chapter for the foreseeable future.

Partnership Helps Cultivate Future Generations of Lockheed Martin Engineers

The opening of the Lockheed Martin Mechanical Engineering Lab at The University of Texas at El Paso (UTEP) was celebrated on Nov. 16, 2011, signifying a growing partnership between the defense industry and academia. This lab was made possible due to a donation by Lockheed Martin, and features hands-on, industry-relevant learning stations for students in the engineering program.

UTEP is helping transform higher education in the United States to be reflective of a 21st century demographic. The graduate program at the College of Engineering was recently ranked No. 2 in the country among engineering schools for Hispanic students by Hispanic Business magazine. UTEP and Lockheed Martin share the values of achievement, diversity and opportunity, which have contributed to the active recruitment of high-performing engineers from this university. "The work that our engineers at Lockheed Martin do every day is critical to ensuring global security and advancing information technology," said Vice President of Engineering at Aeronautics Glenn Miller. "We look forward to future generations of engineers joining us in the continuation of this very important work, and we expect that many of these engineers will also be graduates of UTEP."

In describing the university's model for engineering education, UTEP Dean of the College of Engineering Richard Schoephoerster, Ph.D. emphasized the importance of collaboration between industry and university in preparing the engineers of tomorrow through internships, research programs and lab experiences. "What we want to do is to make sure our training for engineers is relevant training for the industry so that they are more prepared for the workforce," said Dr. Schoephoerster.

The university's commitment to this approach, combined with the students' enthusiasm and solid work ethic, has not gone unnoticed. "I am impressed with the focus and determination of the engineering faculty and students. There is a palpable sense of excitement and passion toward engineering growth and innovation," said Vice President of Technical Operations and Applied Research at Missiles & Fire Control Travis Coomer. "The College of Engineering's vision of developing engineering students who will enter the workforce with practical, industry-related experience is a model for success. I look forward to continuing to forge a mutually beneficial relationship between Lockheed Martin and UTEP."

One of UTEP's goals is to become a national research university, providing a forum for students to engage in technical, industry research. This goal is strongly aligned with Lockheed Martin's focus on broadening its scope of technical research, which would then be applied to product development in each business area.

In addition to collaborative research opportunities, this partnership enables Lockheed Martin to continue to build an engineering workforce that has the required technical expertise, which will help secure the company's stature in the marketplace for many years to come. "A new paradigm of university and industry partnership is absolutely needed to support our national systems of innovation," said UTEP Professor of Mechanical Engineering and Department Chair Ahsan Choudhuri, Ph.D. "A partnership that ensures, with resolve, our global competitiveness."

Supporting this view, UTEP President Diana Natalicio, Ph.D. added, "We've got to do our very, very best to prepare ourselves for that competition. And to do that, we have to partner. Partnerships are absolutely critical."



(L to R): Alex Eksir, Glenn Miller, David Rapisand, Mike Glass, Koeunyi Bae, Chris Blake and Travis Coomer.

Feliz Navidad y Prospero Año Nuevo

Please have a very safe and Merry Christmas. I encourage each of you to take a break from SHPE, and indulge in those special treats and activities that we don't make time for throughout the rest of the year spending lots of time with your families in order to be ready to come back relaxed and well refreshed. We are changing lives!



2011 SHPE National Conference



Sixteen members just returned from the SHPE National Conference in Anaheim, CA over October 26-30, 2011. At the conference, our chapter received both the National and Regional Medium Professional Chapter of the Year awards. This represents the second consecutive year that we have received the national award back-to-back and the third time out of the last five years. We have also claimed the regional award for the last five years in a row. This could not have been accomplished without our members support, and we are not done yet. The SHPE National Conference is coming to Fort Worth, TX on November 14-18, 2012 and we have our goal set on winning the National chapter of the year award for the fourth time right in our own backyard. For those of you that are interested in supporting the 2012 SHPE National Conference planning committee, don't delay. Please contact your chapter president today.

Engineers in the Classroom at Swift Elementary



Evelyn Urbina, Richard Perales, Juan Tezanos, James Narey, and Efren Urbina attended Swift Elementary for an EITC presentation and activity with 60 very eager 4th graders! A short version of the standard Lockheed Martin EITC presentation was presented to the class of 4th graders. Each participating SHPE member introduced him or herself and students had the opportunity to ask questions about their jobs and engineering. Students were assigned into different groups; clear instructions were given as to the approach and task ahead when building their parachute prototype. A SHPE "consultant" was assigned to each group to facilitate and keep the activity on time and the students focused. At the end of the activity, each team tested their prototype and the winner team was given LM airplane pins. This event was

a great success. Students had the opportunity to work hands on and apply their knowledge of the engineering process. The school staff communicated that the activity had been well received by both students and teachers.

SHPE Familia - Newest Addition

John and Mary Lou Valenzuela are very proud to announce the birth of their first child, Alexander Ryan Valenzuela. Alexander was born on August 25, 2011 and was 18.3 inches in length and weighed 6 lbs. 11 ounces. John, an LM Aero SHPE Member, is a Senior Aeronautical Engineer in F-16 Service Life Analysis group.

SHPE at LM Aero would like to congratulate John, Mary Lou, and Baby Alexander!

Noche De Ciencias



The Society of Hispanic Professional Engineers (SHPE) professional chapter at LM Aero Fort Worth hosted a Noche de Ciencias "Science Night" recently at Eules Trinity High School. Noche de Ciencias is a SHPE National initiative to engage the Hispanic community in a relaxed environment to have fun with science and engineering and promote college awareness in a bilingual setting. The science night was a three-hour evening dual program including two science activities for the students and two bilingual parent college awareness workshops.

The event was open to 10-12th grade students at Trinity HS and the 9th grade students at the three feeder junior high schools including Harwood, Eules, and Central Junior High Schools. Overall, the event was a great success and has led to an even stronger partnership between SHPE at LM Aero and Trinity HS.