



The Flying SHPE

The Society of Hispanic Professional Engineers at Lockheed Martin

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Member Spotlight - Juancarlos Mariano

Juancarlos received his Bachelor of Science in Business Administration with an emphasis in Financial Management from California State University, Long Beach (CSULB) in 2008. He was involved with the Society of Hispanic Professional Engineers (SHPE) as a college student and more recently with SHPE LMAERO as Director of Community Outreach. At CSULB, he served the Senator for the College of Business Administration and as President of the Business College Council. Mr. Mariano launched his professional career working at American Honda Motors Co, Inc. in Torrance, CA working in Customer Service and Dealer Development. He currently work as a Subcontract Administrator (Buyer) for Lockheed Martin Aeronautics Co in Ft. Worth, TX.



After graduating from college, Juancarlos served four years as a Board of Director for Young Horizons Child Development Center in Long Beach, CA. Young Horizons offers free to low cost child care for low-income families. Over 90% of the children at this establishment were Hispanic and considering he is not the best with directly working with children he felt this would be a great opportunity to give back.

In an effort to help the community, Juancarlos continues to work with mentees from college, past employers, and church providing them encouragement to attend and finish college. In his spare time he enjoys playing sports, Poolside BBQing, trying new things, and reading Professional / Personal Development books.

Member Spotlight - Thania Balcazar



Thania Balcazar is a May 2011 graduate from the University of Texas at Arlington, completing a B.S. in Aerospace Engineering with a Minor in Mechanical Engineering (Latin Honors). She is currently pursuing a M.S. in Systems Engineering at Southern Methodist University and plans to graduate December 2013. As an undergraduate, Balcazar worked at the Aerodynamics Research Center (ARC) as an undergraduate research assistant. She is an author in four publications, including a recent acceptance in the Journal of Propulsion and Power.

After three internships with Lockheed Martin Aeronautics, Thania joined the company as a full time employee in June 2011. In her current role, she leads scheduling, contract, and technical support of test equipment for over 300 tools to support the Alenia Final Assembly and Checkout (FACO) effort.

She joined SHPE as a student member in 2006. She has served in local, regional, and national roles. For the 2011-2012 term, Balcazar served as Events Chair for the Lockheed Martin Chapter. She also serves as a mentor in the recently established mentoring program between the SHPE Lockheed Martin chapter and Texas A&M.

Besides SHPE, she is also an active member of The American Institute of Aeronautics and Astronautics. This past May, she restructured the North Texas Section by creating a new organization chart and leading the recruitment effort to fill the new positions. She was elected to serve as Vice Chair for the 2012-2013 term. In her free time, Thania enjoys reading, community outreach, pilates, soccer, following politics, and spending quality time with family and friends.

Texas Academy4 Volunteering Opportunities at Dagget Elementary

Academy4 is focused on 4th Graders!

Fourth grade students are at a critical age. They are at a level of higher reasoning ability yet are still open to new ideas.

Why Daggett Elementary?

- Over 90% of the students are on free/reduced lunches which indicate a level of poverty.
- The teachers, counselor and principals are supportive of our effort! They believe we can make a difference.

You'll be making an investment not in the future of each student, but in the future of our community!

Adults will be matched with students of the same gender and will meet once a month. These one-on-one relationships will process the assembly experience and assist the student in shaping their leadership potential.

Volunteer Date & Time: Sept 28, Oct 12, Nov 9, Dec 7, Jan 4, Feb 1, Mar 1, Apr 12, and May 10 from 1pm – 3pm

No. of Volunteers Need: 3 volunteers

Please contact [Steve Hwang](#)

Lego Robotics Lab at Leonard Middle School

The Lego Lab program allows middle school students to experience team work, creativity, participation, programming and engineering in the making. Become an engineering mentor to these kids and help them inspire the passion for engineering, math and science. Adults will be matched with group of students.

No experience with Robots? No problem, you will learn in the process!

Volunteer Date & Time: 2012-2013 School Year, plan to meet bi-weekly (twice a month) from 4:30pm – 6:30pm

No. of Volunteers Need: 6 volunteers

Please contact [Steve Hwang](#)

FIRST Robotics Mentoring Sessions at Trinity High School

This is a great opportunity to engage as well as encourage students to pursue higher education in STEM related fields. FIRST Robotics Team is preparing for another robotics competition and they need your help!!! Come and help mentor these kids! Adults will be matched with group of students.

No experience with Robots? No problem, you will learn in the process!

Volunteer Date & Time: 2012-2013 School Year, meets twice a week from 4:30PM - 5:30PM and Saturday is optional

No. of Volunteers Need: 6 volunteers

Please contact [Steve Hwang](#)

Si Se Puede

LM Aero SHPE will help organize an event where the primary objective is to motivate young mind in pursuing higher education. We will help motivate students to become next generation of engineers and scientist. We seek to achieve this goal by introducing the students to the daily environment of an engineer, by encouraging and motivating students to think about science and mathematics through the Science Bowl competition, and by demonstrating the final products designed by engineers through the factory production line tour.

Volunteer Date & Time: 2012-2012 School Year, once a month for 2 hours after school

No. of Volunteers Need: 4 volunteers

Please contact [Steve Hwang](#)

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 UT-Arlington Fall Cleaning

Do you have any extra clothes, electronics, household goods that you want to donate to a good cause?

SHPE UTA is looking for goods to have a garage sale in order to make some extra cash for.

SHPE LM Aero can help if anyone has any goods they would like to donate. If you have anything, feel free to contact the SHPE UTA president, Elizabeth Gonzalez, at elizabeth.gonzalez@mavs.uta.edu.



ODEMA Workshop - Volunteers Needed

SHPE members are invited to attend a Workshop to learn about and network with ODEMA, (Organizacion de Entidades de las Americas) a Non-Profit Organization that promotes Mutual Aid, Social Services and interchange of knowledge and experiences.

ODEMA has its Headquarters in Buenos Aires Argentina and is looking to expand their contacts and their association with similar organizations in the United States. Please visit their website at www.odema.org For more information.

The program will be in Spanish but a translator will be available. This program has previously been presented by the hosting organization Sociedad Mutualista Fraternal Benito of Fort Worth, throughout the state of Texas in Houston, San Marcos, Waco and of course here in Fort Worth.

We anticipate that this will be a very productive workshop to network with an international development organization in the Americas.

The Workshop will be held at the La Quinta Inn & Suites, located at 4700 N. Freeway (I-35N and Meacham Blvd) in Fort Worth Texas on Friday August 24, 2012 beginning at 9:00 am and all are invited to attend. There will be no cost for the workshop and lunch will be provided. Contact Jose Zarate at 817-777-3686 or 817-901-4062

SHPE at LM Aero General Meeting this Friday, August 24!

Our first general meeting for this 2012-2013 year will be Friday, August 24 at 3pm at 200-1-S12 & 500-4-H8

The good news is that cookies and ice cream will be provided! So leave some space in your stomach after lunch.

We will discuss upcoming social events, networking and professional development programs and opportunities to help out in the community! We will also discuss our 2012-2013 chapter goals.

SHPE Presents: I'm on a Boat! Summer Picnic

LM Aero SHPE would like to invite you to come out Saturday August 25th to come out and enjoy a day out on the Lake before the end of Summer and meet share your time with the SHPE Family!

Please bring your family and friends to Katie's Woods Park # 7. The Park is by the lake if you want to bring out your Boat, play in the water, or Grill and eat by the Lake with a nice view under the shade.

SHPE will provide some things for BBQ'ing but volunteers are definitely needed!

Please contact [Ozzy](#) if you would like to attend!

SHPE News and Events

Interested in gaining valuable leadership experience? Consider volunteering for a committee seat in the LM Aero SHPE Community Outreach. Please contact [Steve](#) or [Juancarlos](#) for more information.

Have an idea for an article or would like to provide inputs for the SHPE Newsletter, feel free to send [Gerry](#) an e-mail!

Just a gentle reminder to renew your SHPE membership today to start enjoying the many benefits being a member offers! If you would like more information about SHPE membership, please contact [Karla](#).

SHPE member Timothy O'Connor has graciously extended an invitation to the SHPE Familia to join him and his lovely family at his daughter's wedding! Tamara O'Connor and Aaron Brown will celebrate their nuptials on Saturday, September 1 at 4:30pm at First Missionary Baptist Church in Fort Worth.

SHPE LM Aero Executive Sponsor Tom Bradley will be the Guest Speaker at the AIAA North Texas Section General Meeting! This will be a great networking opportunity! Cash Bar and a lot of appetizers will be available! Register online today!

TOPIC: Leadership in an Era of Unprecedented Change

Date and Time: Thursday, September 6, 6:30 pm – 8:00 pm

Location: Grapevine Concourse (3800 Fairway Dr. Grapevine, TX 76051)

RSVP: Please register online at <http://aiaantxtombradley.eventbrite.com>

Volunteers are needed to support an HOLA (Hispanic Organization for Leadership and Awareness) tour of Lockheed. The tour would be held on either of the following off-Friday's: Sept 14th, Sept 28th, or Oct 12th. Interested, contact [Thania](#)

Interested in IEEE 2012 MetroCon, sign up for course # 088305ILT12. This will allow Training to provide you with a charge number to pay for your labor while attending MetroCon.

SHPE's Management Growth Training 2012

Dear SHPE Professional Members,

We are proud to present to you SHPE's 2012 Management Growth Training (MGT) program.

The program is being offered at the U.S. Patent & Trademark Office in Washington D.C. from September 17 to September 21, 2012.

The total value of the program is \$3,000, but you get this as an exclusive SHPE Professional Member benefit, for \$850!

2012 SHPE National Conference

The 2012 SHPE National Conference is almost here! Here is what you need to know:

When: Nov 14-18, 2012

Where: Tarrant County Convention Center - Fort Worth, TX

What: Professional Development Workshops, STAR Awards, Luncheons, Networking events, Corporate Tours, Pre-college Symposia and much more...

Visit the website for more details and registration: <http://conference.shpe.org/shpe2012/index.php>

Early Registration Opens July 1 through Sept 30, 2012

Stay tuned for more details.

Ask your functional managers TODAY about going!!

