



SOCIETY OF HISPANIC PROFESSIONAL ENGINEERS

MID YEAR REPORT 2011

SHPE Cincinnati Professional Chapter

**SHPE Region 6
June 15, 2011**

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I. CHAPTER OVERVIEW

1.0 COVER LETTER

Dear National Affairs Committee,

The Cincinnati Professional Chapter of the Society of Hispanic Professional Engineers is proud to present our 2nd Report under the new National Reporting Program for your review. This report highlights our 2011 goals as well as our accomplishments and challenges during the second half of the current fiscal year.

The focus for the last six months of 2010 was to support the AHETEMS goal for high school student visitation and workshops during the National Conference, market the new chapter to potential new members and supporters, and help with a Science Camp organized by Northern Kentucky University. Thanks to the hard work and commitment of Chapter members, we took 46 high school students from Cincinnati Public Schools, Lakota School and Northern Kentucky Schools to the AHETEMS pre-college program Symposium during the 2010 SHPE Conference in Cincinnati. In addition, our members supported the 2010 SHPE National Convention held in Cincinnati in October.

SHPE Cincinnati Professional chapter had a busy 2011 first half. On Feb. 17th, our chapter had its 2nd networking meeting at AMIS (Academy of Multilingual Immersion Studies). Representatives from iSPACE presented their Robotics programs that we plan to use in the Robotic Clubs at local schools with high number of Hispanic students. SHPE Cincinnati selected AMIS (Cincinnati Public Schools) and Hopewell Jr. High (Lakota School District) for our initial plan to sponsor and mentor at the next iSPACE competition.

On February 19th, SHPE Cincinnati members volunteered as judges in the First Tech Robotics Final Competition at the iSPACE Center in Sharonville, Ohio. This event served as a great learning lesson for our members as they prepare to form teams for the next competition at iSPACE. In March and April, we held "Career Awareness" events for Hispanic kids at Hopewell Junior High and AMIS. The goals are to introduce students to STEM (Science, Technology, Engineering, and Math) fields, motivate them to go to college, and make raise awareness to available opportunities to them. It was a great experience for SHPE members that interacted with young thriving kids with lots of questions on college and STEM fields.

This year we started building K-12 outreach partnership with local school district officials and launched new members networking/recruiting meeting in order to continue building the pipeline for local Hispanic engineers and revitalize the SHPE student chapter at the University of Cincinnati.

We are driving participation in SHPE National events to further our knowledge and expand our network. Two chapter EBOD members attended the 2010 NILA Conference and another extended board member is planning on attending the 2011 NILA Conference. Several chapter members are planning on attending the 2011 National Conference in Los Angeles.

Our new professional chapter is working for the growing Hispanic community in this area of the country. Our main challenge continues to be that while there is a large Hispanic population in K-12 that can greatly benefit from SHPE programs; there is still a very limited pool of local Hispanic STEM Professionals to support all the events.

We look forward to learn from your feedback as we strive to become a more effective chapter.

Sincerely,

Jorge F. Seda, PE
Cincinnati Professional Chapter President

2.0 CHAPTER INFORMATION

2.1 Cincinnati Professional Chapter Contact Information

Address: SHPE Cincinnati
7422 Rodney Ct
Cincinnati, OH 45241
Telephone: 513-604-7945
Web site: www.shpecincinnati.org
E-mail: president@shpecincinnati.org

2.2 Student Chapter(s) in the area

University of Cincinnati Student Chapter – Working at re activating

3.0 CINCINNATI CHAPTER EXECUTIVE BOARD OF DIRECTORS



Jorge F. Seda – Chapter President, GE Aviation – Retired
president@shpecincinnati.org



Maria Esquibel-King - Chapter VP, Prof. Dev.& Corporate Affairs
GE Aviation
development@shpecincinnati.org



Amaranta Ramirez - Chapter VP, Community Affairs and Student Relations, P&G
community@shpecincinnati.org



Elias Garcia – Chapter Treasurer, GE Aviation
treasurer@shpecincinnati.org



Carlos Bello - Chapter Interim Administrative Officer, P&G
administrativeofficer@shpecincinnati.org



Michael Beck - Chapter Marketing /Webmaster, Midwest Latino & SHPE
marketing@shpecincinnati.org

4.0 MEMBERSHIP ROSTER

Total registered professional members in 2010-2011: 34

Active members: 13

5.0 CHAPTER HISTORY

The Cincinnati SHPE Professional Chapter was created in May 2010 and officially approved by the SHPE National Board on June 13, 2010. The new chapter helped welcome the SHPE family to Cincinnati where the 2010 SHPE National Conference took place on Oct. 27-31. The event, the nation's largest technical conference for Hispanics, was estimated to bring 4,000 SHPE members to Cincinnati USA and have an estimated \$2.5 million impact to the local economy.

The focus for the first six months was to support the AHETEMS goal for high school student visitation and workshops during the National Conference, market the new chapter to potential new members and supporters, and help with a Science Camp organized by Northern Kentucky University.

The newly elected Board members were: Jorge Seda, President; Maria Esquibel-King, VP- Professional Development and Corporate Affairs; Amaranta Ramirez, VP Community Affairs and Student Relations; Elias Garcia, Treasurer; Edmond Irizarry, Administrative Officer; and Michael Beck, Marketing Manager.

The official chapter kick-off was held on August 27th, with participation from high ranking executives from P&G and GE Aviation, the main sponsors of the chapter. Members of the newly formed SHPE chapter, business, civic and hospitality leaders gathered to celebrate the launch in addition to presidents of SHPE nearby professional chapters, Dr. Michael Saville, Ohio Southwest Chapter and Claudia Marin, Kentucky Bluegrass Chapter, making this an excellent opportunity for all to meet in Cincinnati and build a stronger regional cooperation between chapters.

The following leaders spoke at the kickoff event:

- Barry Coldero, SHPE Region 6 VP
- Cincinnati City, Mike Mohoney
- Jorge Seda, SHPE Cincinnati Professional Chapter President
- Miguel Alemany, Director, Global Baby Care Research & Development, Procter & Gamble
- Chuck Williams, Senior Executive, RPCOE Operations Leader, GE Aviation Supply Chain.
- Dan Lincoln, President and Chief Executive Officer, Cincinnati USA Convention & Visitors Bureau
- Linda W. Clement-Holmes, P&G Chief Diversity Officer & Senior VP Global Business Services

The formation of the SHPE Professional Chapter in Cincinnati provides an excellent opportunity to work together with other leading Hispanic organizations, like the Hispanic Chamber of Commerce USA to become the obvious source for quality Hispanic professionals in the fields of Science, Technology, Engineering and Math (STEM). The chapter will fulfill its mission by promoting educational and networking opportunities, professional and personal growth while enhancing the pride and reputation of the Hispanic community.

The Chapter Vision is:

SHPE is the leading technical organization whose primary function is to enhance and achieve the potential of Hispanics in engineering, math and science.

The Chapter Mission is:

To make SHPE Cincinnati the clear choice for excellent Hispanic professionals in the fields of Science, Technology, Engineering and Mathematics (STEM) by promoting educational and networking opportunities, professional and personal growth while enhancing the pride and reputation of the Hispanic community.

The Chapter Strategic Plan high level goals and objectives are:

- Improved academic performance & strengthen SHPE pipeline
- Increased and retain SHPE membership
- Increased community awareness

6.0 Calendar of Events – Winter/Spring 2011

January 19th : Chapter EBOD members visited iSPACE to discuss collaboration on starting Robotics Clubs

February 17th: AMIS Networking meeting & iSPACE Introduction

February 19th: iSPACE - Ohio Championship Tournament at Scarlet Oaks Center in Sharonville

March 11th: Career Lunch and Learn at Hopewell Junior High School in West Chester, OH

April 26th: Career Lunch and Learn at AMIS (Academy of Multilingual Immersion Studies) in Cincinnati, OH

June 1st: Cincinnati Reds reach-out program with Hispanic community and Junior high students.

January 1st – June 15th: Cincinnati EBOD members' bi-weekly conference calls to discuss initiative progress

7.0 CHAPTER GOALS (Cincinnati SHPE Professional Chapter Strategic Plan)

7.1. Improve academic performance & strengthen SHPE pipeline

- **Increase number of Hispanics entering STEM fields**
 - Establish baseline to selected schools (2)
 - Conduct visitation to selected schools (2)
 - Hispanic community involvement (2)
 - Conduct workshop at local institutions (2)
- **Develop and/or partner with existing programs/chapters on mentoring/tutoring programs to motivate students to further education in math and science**
 - Scholarships
 - Mentoring
 - Tutoring
- **Develop programs and/or outreach events that provide access to resources for Hispanics seeking careers in engineering or technical fields**
 - Career/employment workshops
 - Technical seminar or symposia
 - Forum to encourage exchange tech info and professional development.

7.2. Increase and retain SHPE membership

- **Increase professional membership by 25%.**
- **Revitalize University of Cincinnati student chapter.**
- **Minimize membership attrition**
 - 90% of professional members
 - 75% of graduating university members in Cincinnati area

7.3. Increase community awareness

- **Maintain online Regional calendar system for event planning & dissemination**
- **Establish professional liaisons to reinforce professional/student mentoring relationships**
- **Collaborate with neighboring SHPE chapters on mutually beneficial events/activities**
- **Inform general public of Hispanic technical contributions & accomplishments**

8. **GOAL ATTAINMENT STATUS** - Completed and In Progress (IP))

Goal 8.1 *Increase awareness of education in STEM and strengthen SHPE pipeline*

Sub Goal 8.1.1 -Increase number of Hispanics entering STEM fields

- Established Hispanic presence in Cincinnati public schools and surrounding areas with the largest Hispanic population and selected top two schools (4th Qtr. 2010)
 - Hopewell Jr. High – 753 Hispanic students (80% Elementary/Junior high)
 - AMIS – 684 Hispanic students (87% elementary)

Sub Goal 8.1.2- Develop and/or partner with existing programs/chapters on mentoring/tutoring programs to motivate students to further education in math and science

- Hosted “Lunch & Learn” with SHPE professional chapter members and schools listed above
- Integrated and developed partnership with iSPACE to engage students in STEM.
- Hosted Outreach event at Cincinnati Reds game with selected schools Hispanic students
- Outreach in process with University of Cincinnati to create a student chapter (IP)

Sub Goal 8.1.3 - Develop programs and/or outreach events that provide access to resources for Hispanics seeking careers in engineering or technical fields

- Organizing selected school teachers, students, and chapter members to participate in Robotic teams at iSPACE First LEGO League competition (IP)
- Secured funding to pay for team registration fee at iSPACE competition
- Engaging members to continue support of iSPACE initiative (IP)

Goal 8.2 *Increase and Retain SHPE membership*

Sub Goal 8.2.1 - Increase professional membership by 25%

- Five new members joined the chapter in the last 6 months (+16%)

Sub Goal 8.2.2 – Revitalize University of Cincinnati student chapter

- Working with University of Cincinnati professor (SHPE member) to obtain list of Hispanic students to revitalize student chapter during next school year. (IP)

Sub Goal 8.2.3 - Retain membership

- 90% of professional members – Two members move out of area, five new ones joined the chapter
- 75% of graduating university members in Cincinnati area – List of students not available at this time. Will work with new graduating class the coming school year. (IP)

Goal 8.3: *Increase Community awareness*

Sub Goal 8.3.1 - Maintain on-line Regional calendar system for event planning and dissemination

- Established Chapter Website and presence in Facebook & Twitter
- Providing On-going marketing of SHPE events and programs

Sub Goal 8.3.2 - Establish professional liaisons to reinforce professional/student mentoring relationships

- Liaison established for every chapter partnership

Sub Goal 8.3.3- Collaborate with neighboring SHPE chapters on mutually beneficial events/activities

- Mutual communication and activity participation with adjacent chapters established

Sub Goal 8.3.4 - Inform general public of Hispanic technical contributions and accomplishment

- Developed a structured approach towards external communications and publishing quarterly newsletter through local distribution channels that reach sponsors and the general public

II. ACTIVITIES IN DETAIL

1.0 SUMMARY OF EVENTS

- January 19th : Chapter EBOD members visited iSPACE to discuss collaboration on starting Robotics Clubs
February 17th : AMIS Networking meeting & iSPACE Introduction
February 19th : iSPACE - Ohio Championship Tournament at Scarlet Oaks Center in Sharonville
March 11th : Career Lunch and Learn at Lakota Hopewell Junior High School
April 26th : Career Lunch and Learn at AMIS (Academy of Multilingual Immersion Studies)
June 1st : Cincinnati Reds reach-out program with Hispanic community and Junior high students.

2.0 Chapter Development - AMIS Networking Event & iSPACE Introduction

Contact Person: Amaranta Ramirez	Location: AMIS School in Cincinnati, OH
Email Address: community@shpecincinnati.org	Date: February 17, 2011

PURPOSE OF ACTIVITY:

- 1.) Introduce students, teachers, sponsors and chapter members to iSPACE Programs.
- 2.) Network and obtain “buy in” from attendees for proposed program while promoting our chapter.

HISTORY:

The Cincinnati Professional Chapter had its 2nd networking meeting at AMIS (Academy of Multilingual Immersion Studies). SHPE Cincinnati selected AMIS (Cincinnati Public Schools) as one of two local schools with high number of Hispanic students for our initial plan to form, sponsor and mentor Robotics Clubs for the next iSPACE competition.

STATISTICS:

SHPE Professional	Non-SHPE Members	Female	Male
10	17	16	11

COST OF ACTIVITY:

Taqueria Mercado food cost for this activity was sponsored by P&G. AMIS provided the meeting location.

DESCRIPTION OF ACTIVITY:

Students, teachers and parents from AMIS were able to attend and learn more about the Robotics program and get excited about the possibilities. We would like to thank Maria Lang from AMIS for the hospitality, iSPACE representatives for their insightful presentation, as well as representatives from UC, YMCA, and Hopewell Jr. School that were able to join us. Visit our website for pictures of the event at <http://shpecincinnati.org/>

EVALUATION:

Participants liked the content of the presentation and the opportunity to meet other professionals within the area. We were able to obtain sponsorship pledge to fund our new team registration fee.



2.1 Chapter Development – iSPACE Ohio Partnership & Championship Tournament Judging

Contact Person: Jorge F. Seda	Location: iSPACE Headquarters in Sharonville, OH
Email Address: president@shpecincinnati.org	Dates: Jan 19, 2011 and February 19, 2011

PURPOSE OF ACTIVITIES:

- 1.) January 19, 2011 – Discuss potential collaboration between iSPACE & Cincinnati SHPE chapter
- 2.) February 19, 2011 – Volunteer at iSPACE competition as a learning session for our members

HISTORY:

Robotics team formation is one of the key SHPE National initiatives. iSPACE offers programs for students, educators and families which support and enhance science, technology, engineering and mathematics (STEM) education that reaches beyond the formal classroom setting. iSPACE programs spark curiosity and engage interest in the sciences as well as accommodate a wide spectrum of learning styles. iSPACE have been serving the Greater Cincinnati area since 2001. Due to similarity in mission and approach to Robotics, SHPE EBOD selected iSPACE as a partner for this initiative.

STATISTICS:

SHPE Professional	Non-SHPE Members	Female	Male
6	3	5	4

COST OF ACTIVITY:

The cost of this activity was fully covered by iSPACE. They provided the event location, sponsored refreshments and lunch during competition.

DESCRIPTION OF ACTIVITY:

On Jan.19th, 2011, Board members Maria King, Jorge Seda, and Michael Beck visited iSPACE to discuss collaboration on starting Robotics Clubs at local schools. They met with Linda Neenan, iSPACE Executive Director. Also participating was Rayma Waters from UC CECH PASS Program (Partner for Achieving School Success).

As a sign of forging a strong relationship with iSPACE and learning session, several SHPE Cincinnati members volunteered as judges in the First Tech Robotics National Competition that took place on Feb. 19, 2011

EVALUATION:

This event served as a great learning lesson for our members as they prepare to form teams for the next competition at iSPACE. iSPACE leadership was very appreciative of our members support and pledged to work closely with our chapter in future competitions



3.0 Chapter Outreach: Career Lunch and Learn at Hopewell Junior High School

Contact Person: Maria Esquibel- King	Location: Hopewell Junior High West Chester, OH	
Email Address: development@shpecincinnati.org	Date: March 11, 2011	

PURPOSE OF ACTIVITY:

- Introduce students to STEM (Science, Technology, Engineering, and Math) fields and Robotics Club
- Excite students and raise awareness to available opportunities to them
- Motivate students to go to college

HISTORY:

SHPE Cincinnati selected Hopewell Junior High School (Lakota School District) as one of two local schools with high number of Hispanic students for our initial plan to form, sponsor and mentor Robotics Clubs for the next iSPACE FIRST Lego League competition. On March 11th, **SHPE Cincinnati** held a "Career Awareness" event for Hispanic 7th and 8th graders. Students will discover the world of robotics as they build a LEGO NXT robot, explore the important role that robots play in our everyday lives and turn their creativity loose as they program a robot to perform under commands.

STATISTICS:

SHPE Professional	Non-SHPE Members	Female	Male
8	28	12	24

COST OF ACTIVITY:

Hopewell Junior High School administration sponsored the pizza, refreshments and location for this event.

DESCRIPTION OF ACTIVITY:

The team made presentations regarding our plan to create Robotic teams and our desire to engage them to form a team. iSPACE representative provided an overview of First Lego League program and shared sample of previous team robots. The last part of the program was a question and answer session between students and SHPE members.

EVALUATION:

It was a great experience for SHPE members that interacted with young thriving kids with lots of questions on college and STEM fields. We would like to thank Ms. Sharon Young from iSPACE, Guillermo Villa from Ethicon Endo Systems, all SHPE Volunteers, Ms. Molly Connaughton and the principal and staff of Hopewell Junior High for their support and participation.



3.1 Chapter Outreach: Career Lunch and Learn at AMIS School

Contact Person: Amaranta Ramirez	Location: AMIS School in Cincinnati, OH
Email Address: community@shpecincinnati.org	Date: April 26, 2011

PURPOSE OF ACTIVITY:

- Introduce students to STEM (Science, Technology, Engineering, and Math) fields and Robotics Club
- Excite students and raise awareness to available opportunities to them
- Motivate students to go to college

HISTORY:

SHPE Cincinnati selected AMIS (Academy of Multilingual Immersion Studies) as one of two local schools with high number of Hispanic students for our initial plan to form, sponsor and mentor Robotics Clubs for the next iSPACE FIRST Lego League competition. On April 26th, SHPE Cincinnati held a "Career Awareness" event for Hispanic 7th and 8th graders at AMIS. Students will discover the world of robotics as they build a LEGO NXT robot, explore the important role that robots play in our everyday lives and turn their creativity loose as they program a robot to perform under commands.

STATISTICS:

SHPE Professional	Non-SHPE Members	Female	Male
8	16	9	5

COST OF ACTIVITY:

AMIS administration sponsored the food, refreshments and location for this event.

DESCRIPTION OF ACTIVITY:

The team made presentation regarding our plan to create Robotic teams and our desire to engage them to form a team. iSPACE representative provided an overview of First Lego League program and shared sample of previous team robots. The last part of the program was a question and answer session between students and SHPE members.

EVALUATION:

It was a great experience for SHPE members that interacted with young thriving kids with lots of questions on college and STEM fields. We would like to thank Ms. Sharon Young from iSPACE, Vanessa Diaz from Ethicon Endo Systems, all SHPE Volunteers, Maria Lang and the staff at AMIS for their support and participation.



3.2 Chapter Outreach: Cincinnati Reds game with students from AMIS and Hopewell Junior Highs

Contact Person: Michael Beck	Location: Great American Ball Park in Cincinnati, OH
Email Address: marketing@shpecincinnati.org	Date: June 1, 2011

PURPOSE OF ACTIVITY:

Provide networking opportunities between targeted school students and SHPE volunteers prior to forming Robotic teams at each school.

HISTORY:

"Amigos de los Rojos", a Cincinnati Reds reach-out program to the Hispanic community, sponsored this event and SHPE Cincinnati leaders used this opportunity to reach out to targeted school students and SHPE volunteers.

STATISTICS:

SHPE Professional	Non-SHPE Members	Female	Male
6	32	17	11

COST OF ACTIVITY:

Cost for tickets, food, bus service and "Rojos" baseball cap courtesy of Cincinnati Reds Hispanic players.

DESCRIPTION OF ACTIVITY:

Cincinnati SHPE chapter members attended a Cincinnati Reds game with students from AMIS and Hopewell Junior High schools. The group was treated to the game, bus service, food and Reds' "Rojos" hat courtesy of the Reds Latino players. Our appreciation goes to Michael Beck for organizing and coordinating the event and Maria Lang and Molly Connaughton from AMIS and Hopewell Jr. respectively for coordinating with the students.

EVALUATION:

We were treated to an exciting game where the Reds came from behind to win the game in the last few innings. Some students were at awe as this was their first time at a professional ball game.



4.0 Chapter participation with SHPE National

4.0.1 National Committee Involvement

Our chapter Marketing/Webmaster is involved with the National Committee

4.0.2 NILA Participation

Extended board member, Oscar Martinez, is planning on attending NILA 2011 on behalf of the Cincinnati Professional Chapter.

4.0.3 Region VI Conference Call

The Cincinnati Professional Chapter participated in all Region 6 Conference calls to date.

4.0.4 Regional Event Attendance

Members of our chapter have not participated in any Regional event in 2011 due to long distance to events.

4.0.5 2011 SHPE Conference Attendance

To be determined

4.0.6 SHPE Magazine Submission

See Cincinnati Chapter newsletter article submitted to SHPE Magazine in Appendix

III. CONCLUSIONS

SHPE Cincinnati Professional chapter had a busy 2011 first half. On Feb. 17th, our chapter had its 2nd networking meeting at AMIS (Academy of Multilingual Immersion Studies). This year we started building K-12 outreach partnership with local school district officials. Representatives from iSPACE presented their Robotics programs that we plan to use in the Robotic Clubs at local schools with high number of Hispanic students. SHPE Cincinnati selected AMIS (Cincinnati Public Schools) and Hopewell Jr. High (Lakota School District) for our initial plan to sponsor and mentor at the next iSPACE competition.

On February 19th, SHPE Cincinnati members volunteered as judges in the First Tech Robotics Final Competition at the iSPACE Center in Sharonville, Ohio. This event served as a great learning lesson for our members as they prepare to form teams for the next competition at iSPACE. In March and April, we held "Career Awareness" events for Hispanic kids at Hopewell Junior High and AMIS.

The goals are to introduce students to STEM (Science, Technology, Engineering, and Math) fields, motivate them to go to college, and raise awareness to available opportunities to them. It was a great experience for SHPE members that interacted with young thriving kids with lots of college and STEM fields questions. The next phase is to register the new teams with iSPACE and start training and developing the First Lego League Robot vehicles.

This year we also engaged new members during networking/recruiting meeting in order to continue building the pipeline for local Hispanic engineers and revitalize the SHPE student chapter at the University of Cincinnati.

We are driving participation in SHPE National events to further our knowledge and expand our network. One Cincinnati SHPE extended board member is planning to attend the 2011 NILA Conference and others are planning on attending the 2011 National Conference in Los Angeles.

Our new professional chapter is on track to meet our goals working with the growing Hispanic community in this area of the country. Our main challenge continues to be that while there is a large local Hispanic population in K-12 that can greatly benefit from SHPE programs, there is still a very limited pool of local Hispanic STEM Professionals.

We look forward to learn from your feedback as we strive to become a more effective chapter.



SHPE Cincinnati Newsletter

SHPE Is the Source for Quality Hispanic Engineers and Technical Talent

Society of Hispanic Professional Engineers

Volume 1 | Issue 2

May | 2011

President's Message



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Jorge Seda, President

SHPE Cincinnati
P.O. Box 17001
Cincinnati, OH 45217
www.shpecincinnati.org

SHPE @ Robotics Competition

SHPE Cincinnati members volunteering as Judges at the First Tech Robotics Competition in Sharonville, OH.



Several members of the Cincinnati Chapter of SHPE volunteered recently as judges at the First Tech Robotics competition - the "First Tech Challenge", a worldwide robotics competition. FIRST® (For Inspiration and Recognition of Science and Technology) was founded in 1989 to inspire young people's interest and participation in science and technology. Based in Manchester, NH, the 501 (c) (3) not-for-profit public charity designs accessible, innovative programs that motivate young people to pursue education and career opportunities in science, technology, engineering, and math, while building self-confidence, knowledge, and life skills. Learn more about FIRST® on their website at www.USFIRST.org.

We certainly hope that at the next competition, we'll have Hispanic kids from Robotics Clubs at AMIS and Hopewell Jr. High, sponsored and mentored by SHPE Cincinnati chapter.

Above: members of SHPE Cincinnati as judges at First Tech Robotics Competition

Please join us in our efforts to expose more Hispanic children to the world of engineering and science. If you would like to join, please contact us

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- 3 Chapter and Members Activities
- 3 Robotics Team
- 4 Chapter Board of Directors
- 4 2011 Chapter Goals

"College Awareness" Program

At AMIS (Academy of Multilingual Immersion Studies)



SHPE Cincinnati held in the first quarter of this year two "Career Awareness" seminars for Hispanic kids. The first one was on March 11th for 7th and 8th graders at Lakota Hopewell Junior High, and the second on April 26th for kids at AMIS (Academy of Multilingual Immersion Studies). The goal was to introduce students to fields in STEM (Science, Technology, Engineering and Math), and to Robotics Club idea.

It is one of SHPE Cincinnati's initiatives to identify and sponsor a group of kids through ISPACE FIRST Lego League (Robotics Clubs). We want to excite the kids and make them aware of the opportunities out there. It was a great experience for SHPE members to interact with young thriving kids who have lots of questions on college and STEM fields.

We would like to thank Ms. Sharon Young from ISPACE, all SHPE Volunteers, and the staff of Lakota Hopewell Junior High and AMIS for support and participation.

At Hopewell Junior High



Chapter and Member Activities

On Wednesday, Jan. 19th, 2011, three Board members: Maria King, Jorge Seda, and Michael Beck visited ISPACE to discuss collaboration on starting Robotics Clubs in couple of local schools. We met with Linda Neenan, the Executive Director. Also participating was Rayma Waters from UC CECH PASS



Program (Partner for Achieving School Success). Serving as a resource for the Greater Cincinnati/Tri-State region, ISPACE offers programs for students, educators and families which support and enhance science, technology, engineering and mathematics (STEM) education that reaches beyond the formal classroom setting. ISPACE programs spark curiosity and engage interest in the sciences as well as accommodate a wide spectrum of learning styles. ISPACE is a 501(C)(3) not-for-profit organization that has been serving the Greater Cincinnati area since 2001.



As a sign of forging a strong relationship with ISPACE several of SHPE Cincinnati members volunteered as judges in the First Tech Robotics Competition that took part last Saturday, Feb. 19, 2011.

On Thursday, Feb. 17, our chapter had its second networking meeting, this time at AMIS (Academy of Multilingual Immersion Studies), which has a high number of Hispanic students. Representatives from ISPACE presented the Robotics programs that they organize, and which we would like to use as the base for our Robotics Club that we want to start at AMIS.



Robotics Team

SHPE Cincinnati is looking for volunteers to help with starting a Robotics Club for Hispanic kids in one of the K-8 schools in Cincinnati, with the goal to participate in Robotics events organized by FIRST (For Inspiration and Recognition of Science and Technology). The children will discover the world of robotics as they build a LEGO NXT robot and explore the important role that robots play in our everyday lives. Then they will turn their creativity loose as they program a robot to do what they command it to do. In order to achieve this goal, SHPE Cincinnati is looking for STEM Professionals (scientists, engineers, software developers, teachers, etc.) who would like to be involved in mentoring programs. There is also need for financial support, so if our readers or the companies they work for, would like to support these initiatives, please contact SHPE Cincinnati President, Jorge Seda via: president@shpecincinnati.org



SHPE Cincinnati Board and our 2011 Goals

Cincinnati finally has its own SHPE Professional Chapter! Created in May 2010 and officially approved by the SHPE National Board on June 13, the new chapter helped welcome the SHPE family to Cincinnati where the 2010 SHPE National Conference took place on Oct. 27-31. The event, the nation's largest technical conference for Hispanics, was estimated to bring 4,000 SHPE members to Cincinnati USA and have an estimated \$2.5 million impact to the local economy.

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The Chapter Strategic Plan high level goals and objectives are:

1. Improved academic performance & strengthen SHPE pipeline
2. Increased and retain SHPE membership
3. Increased community awareness

SHPE Cincinnati Board 2010/11



Jorge Seda
President



Maria Esquibel-King
VP Development



Amaranta Ramirez
VP Community



Elias Garcia
Treasurer



Edmond Irizarry
Administrative Officer



Michael Beck
Marketing

Our Sponsors



About SHPE

SHPE is the source for quality Hispanic engineers and technical talent. "Hispanics are projected to comprise 20 percent of the college enrollment in the coming years, and it's critically important for our nation's future that the best and brightest of those students are encouraged to pursue careers in the science, technology, engineering and math professions," says, Pilar Montoya, CEO of SHPE. Through local and regional chapters nationwide, SHPE reaches out to students K-12, as well as at the undergraduate and graduate levels, with science fairs and camps, scholarships, mentoring programs, training, and other grassroots efforts to attract Hispanics into the STEM professions. Today SHPE is one of the leading sources of Hispanic STEM (science, technology, engineering and mathematics) talent in the country.

To join SHPE, please contact our President, Jorge Seda at: president@shpecincinnati.org