PI TAU SIGMA ANNUAL CHAPTER REPORT
2009-2010
Stevens Phi Omicron

A. Initiations

Stevens Institute of Technology follows a broad based engineering curriculum with a common core for the first three semesters and students are not required to declare their engineering major before their fourth semester. In addition, nearly a quarter of all engineering students complete 3 to 4 semesters before declaring their major.

In order to ensure that all initiates graduate as Mechanical Engineering majors, the chapter has established a policy to initiate only juniors (5th and 6th semesters) and seniors (in their 7th semester). Students who have excellent academic record (top 20% and who have a GPA of 3.6 or "High Honors") and who are in good standing are reviewed and invited to become members of the Stevens Phi Omicron Chapter.

During AY 2009-10, Stevens conducted two initiation ceremonies. The fall initiation ceremony for the Academic year was conducted on December 1, 2009 and 12 new members were initiated. The spring initiation ceremony was conducted on May 4, 2010 and 10 new members were initiated. The following is a listing of the AY 2009-10 initiates.

The chapter pays the dues for all the students who are initiated and provides the pins at no cost. In addition, the chapter also provides stoles at no cost to all graduating seniors, who are members of the chapter. Funds for all chapter activities and socials are provided by the Mechanical Engineering Department.

Fall 2009 Initiates:

David Barth	Shawn P. Beyer
Matthew J. Dos Santos	Miryam Y. Dreyfuss
Jamie L. Fishbein	Travis J. Heithoff
Rowena J. Lee	Stephanie A. Miller
George Murillo	Brian P. Pilapil
Derek Straub	Laura J. Sneider

Spring 2010 Initiates:

Abel N. Alvarez	Katherine L. Crane
Alessandro DiLeonardo	Robert J. Fitzgerald
Karl P. Flores	Johanna L. Heureaux
Nicholas Marzorati	Philip J. Ponce De Leon
Justin Richman	Justin N. Wenthold

B. Chapter Activities

Goals for 2009-10

- Initiate Members from the Senior and Junior Class during 2009-10 academic year
- Promotion of entrepreneurship through involvement in the Stevens Technogenesis® program
- Participation in the Stevens Research and Entrepreneurship Day Activities
- Participation in the ASME Region II student conference and in the design and oral presentation competitions
- Participation in the Annual Pi Tau Sigma conference, out-reach activities through the co-sponsorship of faculty-student activities
- Participation in the Engineering Day Events
- Participation in other activities associated with promoting Mechanical Engineering.

All goals for AY 2009-10 were met and the following is a brief summary of other chapter activities.

Activities

The chapter successfully organized and implemented a tutoring program for the mechanical engineering undergraduate students. Several members of the chapter lead by the chapter President John Dillon again participated in the collection of food and clothing for the needy and the Hoboken shelter during the holiday period.

Mr. John Dillon, chapter president for 2009-10 was selected to represent Stevens in the 2010 Pi Tau Sigma National conference at the Texas A & M University. However, inclement weather (heavy snow storm in the north east) and cancellation of flights prevented him from participation.

The chapter collaborated with the ASME student chapter and the New Jersey Alpha chapter of Tau Beta Pi in the organization of the Engineering Design Competition for all students at Stevens to promote Engineering Education on April 7, 2009. The completion again involved the design and construction of a Trebuchet from a kit of parts within an allotted time followed by a competition .for the best throw.

The Engineering day was held on April 28, 2010 and Stevens Phi Omicron chapter assisted the Mechanical Engineering Department.

Stevens held its third Research and Entrepreneurship Day on April 30th and final round of the design projects that were nominated for their innovation and quality included several members of the Stevens Phi Omicron Chapter.

The chapter's web page (www.stevens.edu/pts) has been updated.

Graduates

Kyle A. Barr	John R. Dillon
Miryam Y. Dreyfuss	Ahsan Hameed
George Murillo	Brandon S. Murphy
Erich C. Rau	Daniel Ruland
Natalie R. Schloeder	Igor Slootsky
Scott Snyder	Alesandro Spinelli

Awards & Recognition

Several of the Stevens Phi Omicron chapter members from the 2010 graduating class were recognized for their academic excellence and participation in various extra-curricular activities during the graduation.

The following chapter members of the graduating class were recognized for their academic excellence.

- Kyle Barr and Alessandro Spinelli were the recipients of The Andrew Carnegie Machine Systems Award given to an outstanding students of Machine Systems and Design
- Ahsan Hameed received the Richard B. Cole Award for demonstrating high academic performance, integrity, and personal dedication.
- Ahsan Hameed and Alessandro Spinelli were members of the team that was recognized as the best senior capstone design project.
- Natalie Schloeder was the recipient of the Elie Fonrose Award for her promise of advancement in the field of aerospace engineering.
- Scott Snyder received the Kenneth J. Moser Award in recognition of his outstanding performance in heat transfer.
- Erich Rau received the Col. John Stevens Power and Energy Systems Award for being the outstanding student of Power and Energy Systems.
- Ahsan Hameed and Alessandro Spinelli received the CES-Hydroglobe Research and Entrepreneurship Award as members of the team whose capstone design project best exemplified research and entrepreneurship.

The following chapter members of the graduating class were recognized for their academic excellence and their participation in campus activities.

- Natalie Schloeder received the Richard S. Magee Excellence Award for demonstrating extracurricular involvement and leadership in departmental and campus activities and for her recognition as a strong ambassador for the department and Stevens.
- Natalie Schloeder was also the recipient of the Podolsky Award as the senior in good standing who, through unselfish efforts, has fostered school spirit and advanced coed involvement in campus life.
- Scott Snyder was the recipient of the Stevens Career Development Award - Personal Career Growth as the senior who has demonstrated a focused approach to professional

development by identifying a career path and exploring careers relevant to their academic studies and personal interests throughout his/her years at Stevens.

Miryam Dreyfuss and Erich Rau were members of the capstone senior design project that was part of a multi-university team, which was selected by the U.S. Department of Energy for the 2011 Solar Decathlon.

John Dillon, George Murillo, Igor Slootsky, and Alessandro Spinelli received Bachelors degree in Mechanical Engineering with High Honors as well as a Master of Engineering Degree.

The Stevens design team that included chapter vice president Natalie Schloeder was selected to participate in the ASME Region II regional competition that involved the design of a sorter for recyclable material.

The following members of the Stevens Pi Tau Sigma chapter graduating class of 2010 were also members of Tau Beta Pi: Kyle Barr, Ahsan Hameed, Erich C. Rau, Natalie Schloeder, Igor Slootsky, and Alessandro P. Spinelli. Natalie Schloeder, vice president for the chapter was also elected as the vice president of the New Jersey Alpha Chapter of Tau Beta Pi for 2009-10 academic year.

The following chapter members who are class of 2011 are elected members of Tau Beta Pi for 2010-11: Abel Alvarez, David Barth, Matthew Dos Santos, Jamie Fishbein, Stephanie Miller, Brian Pilapil, Derek Straub and Justin Wenthold. In addition Matthew Dos Santos was elected to be the corresponding secretary of the New Jersey Alpha Chapter of Tau Beta Pi for 2010-11 academic year.

Natalie Schloeder, the Vice President of the Stevens Phi Omicron chapter also served as the editor of the campus news paper *The Stute* and was recognized for her outstanding efforts.

Plans for 2010-2011

Our plans for the upcoming year consist of educational, social, and outreach activities. Among others, it will include participation in entrepreneurship and Stevens Technogenesis® program, sponsorship of engineering seminars, co-sponsorship and participation in professional society student chapter activities, as well as the promotion and publicizing of the Mechanical Engineering program activities within Stevens.

In addition, we are once again planning to distribute the stoles and pins, and recognize the graduating seniors during the annual banquet.

Chapter Officers

President:	John R. Dillon
Vice President:	Natalie R. Schloeder
Secretary-Treasurer:	Kyle A. Barr

President Elect:	Stephanie A. Miller
Vice President Elect:	Philip J. Ponce De Leon
Secretary-Treasurer Elect:	Karl P. Flores

The elections for the chapter officers were held on May 4, 2010 following the initiation ceremony. The current group of officers explained the responsibilities and chapter activities to the officers-elect who will govern during the 2010-11 academic year. The chapter responsibilities were transferred during the last week of the term.

Chapter Advisor
Siva Thangam

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Reporter

Siva Thangam