



SIGMA PI SIGMA

The physics honor society

Sigma Pi Sigma Chapter Project Award Proposal

Project Proposal Title	[Sigma Pi Sigma: Celebrating the Culture of Scholarship and Service in Physics]
Name of School	[University of the Sciences]
Sigma Pi Sigma Chapter Number	[619]
Total Amount Requested	[\$500.00.]

Abstract

We propose to celebrate scholarship and service in physics through an Induction Ceremony that brings together students, alumni, faculty, industrial physicists and recipients of our physics outreach.

Proposal Statement

Overview of Proposed Project

The USciences Sigma Pi Sigma chapter did not hold induction ceremonies in the Spring of 2019 since most eligible students had already been inducted the previous year and with the admission of a small physics class the previous year. In the meantime, the SPS chapter has continued to be very active in promoting physics through service to chapter members, the K-12 community, and the general public. A 2019 Future Faces of Physics grant enabled SPS to visit and perform outreach at neighboring Upper Darby High School – with a large population of underserved minorities. A 2019 Marsh White Award made possible a Physics Outreach Booth serving the general public at the 2019 Philadelphia Science Carnival with physics demonstrations in the theme of motion and energy. The chapter also participated in the 2019 SPS Zone 3 Meeting at Rutgers University and sent a contingent of eight physics majors to PhysCon 2019. SPS members also served as camp crew of the Physics Wonder Girls Camp for Middle School Girls during the summers of 2018 and 2019.

For 2020, we propose to celebrate the scholarship and service activities of USciences physics majors and alumni through an Induction Ceremony. The event will bring together current students and faculty, alumni, high school physics teachers and industrial physicists from the area. We will tap industrial physicists to inspire this small community with exciting and compelling stories of research and service. Alumni, high school physics teachers and industrial physicists (including medical physicists, engineers and financial analysts, and “hidden physicists”) invited will be inducted to the USciences Sigma Pi Sigma Honor Society Chapter. Because the chapter is only several years old, this community of inductees will enlarge and enrich chapter membership and resources.

We anticipate induction of 5-7 physics majors, 1-2 physics alumni, and will invite physics majors from neighboring institutions without a Sigma Pi Sigma chapter. We will invite and recognize middle school girls who participated in the Physics Girls Camp and other outstanding K-12 recipients of our SPS chapter’s physics outreach. Physics faculty, high-level administrators will also be invited to participate.

How Proposed Project Meets the Purpose of the Award

Through an induction-banquet that celebrates scholarship and the culture of service through physics outreach, the small community of USciences physics majors, faculty and alumni will benefit from the testimonies and participation of industrial physicists invited. An opportunity to network will be encouraged during the banquet to encourage exchanges between students, alumni and industrial physicists.

Plan for Carrying Out Proposed Project

Personnel – SPS member Dan Fauni and SPS Advisor Dr. Roberto Ramos, assisted by other SPS members will organized the activity.

Marketing – The project will be marketed to USciences’ physics majors and faculty as well as outside community through emails to alumni guests industrial/hidden physicists, recipient of K-12 physics outreach.

Activities – During the ceremony, the SPS members and Dr. Ramos will trace the history and context of Sigma Pi Sigma, followed by presentations by current physics majors of the outreach activities performed during the past two years. Speakers and guests will be introduced, followed by the formal induction ceremony and banquet.

Project Timeline

February 2019 – SPS member Dan Fauni and SPS Advisor Dr. Roberto Ramos, assisted by SPS members, will produce and send an invitation to industrial physicists, alumni, nominated students. They will formulate a program.

March 2019 – The program, activities, venue and food arrangements will be finalized.

April 2019 – After acceptances of nominations, the formal ceremony of Induction and Banquet will be held.

Project Evaluation Plan

To assess the event, short blind surveys will be given to all inductees before leaving the ceremony.

Budget Justification

The requested Budget of \$500 will go mainly to modest food arrangements for 30-35 attendees, with some going to certificates and plaques. Any remaining cost will be subsidized by the Department and College.