Sigma Pi Sigma Chapter Project Award Proposal

<u>Abstract</u>

We propose to hold an induction ceremony over Zoom that will induct new Sigma Pi Sigma members and celebrate and showcase the ties between SPS members, the scientific community, and the surrounding community. We also propose producing an SPS photo-book to distribute to alumni and others.

Overview of Proposed Project

In the summer of 2020, the SPS chapter was involved in an event that presented interesting and cool physics experiments to high school students, inspiring them to create their own experiments and demonstrations.

The proposed induction ceremony will induct new members into Sigma Pi Sigma. During the ceremony, we will highlight many activities and services that SPS officers have performed. This event will bring together students, faculty, alumni, and physicists. We hope showcasing the events and activities will inspire other SPS officers and these new members to go out and create their own to further help their communities and to spread the love of physics. We were also going to produce SPS/ Sigma Pi Sigma anniversary/commemorative photo-books, which would contain pictures and write-ups about past outreach activities. These would then be mailed to alumni and other parties showing the impact made and strengthening the community's knowledge about SPS and Sigma Pi Sigma. Talking with physicists will help to develop the ambition toward a career in physics. The inductees will enrich and enlarge chapter resources and membership.

We anticipate inducting 3-4 physics majors, 1-2 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. Physics faculty, high-level administrators will also be invited to participate.

How Proposed Project Meets the Purpose of the Award

Through an induction ceremony, the university community and the surrounding community will increase its communal bond. This increase will occur, not only because of the induction of new members into Sigma Pi Sigma, but also because of the presentation of the outreach activities, which we hope will encourage other members to create their own events and activities. A networking opportunity will also be available after the ceremony to encourage interactions between students, alumni, and industrial physicists.

Plan for Carrying Out Proposed Project

Personnel - SPS member Ed McLaughlin and SPS Advisor Dr. Roberto Ramos will organize the event, with help of other SPS members.

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 induction ceremony, Dr. Ramos and SPS members will recount the history and the context of Sigma Pi Sigma, followed by presentations of current SPS officers of the outreach activities performed during this year. Speakers and guests will be introduced, followed by the formal induction ceremony.

Project Timeline

February 2021 – SPS member Ed McLaughlin 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. They will also solicit alumni pictures.

March 2021 – The program and activities will be finalized. Photo-books will be produced and printed.

April 2021 – After acceptances of nominations, the formal ceremony of Induction 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

Because it is looking like the induction ceremony is going to be held virtually, the requested budget of $350 will go mainly to the SPS Photo-books, with the rest going toward plaques and certificates. Any remaining cost will be absorbed by the Department and the College.