

SPIE 
Student Chapter
Boston University

Annual Report
2017

I. Boston University Chapter of SPIE Members

The elected officers for 2017 are:

Position	Name	Email	Member Number
President	Allison Marn	ammarn@bu.edu	4042728
Vice President	Raeef Istfan	raeef@bu.edu	3557873
Treasurer	Tim Weber	tweber@bu.edu	4042744
Secretary	Kavon Karrobi	kkarrobi@bu.edu	4012434
Professional Development Officer	Gautam Prabhakar	gautam@bu.edu	3339493

Current Student Members:

1	Ahmet Emin Akosman
2	Joseph Angelo
3	Mh Ansari
4	Oguzhan Avci
5	Ewan Douglas
6	Raeef Istfan
7	Kavon Karrobi
8	Allison Marn
9	Alex Matlock
10	Hannah Peterson
11	Gautam Prabhakar
12	Alexander Saeboe
13	Rajendranath Selagamsetty
14	Derin Sevenler
15	Anup Tank
16	Fei Teng
17	Reyhaneh Toufanian
18	Jean-Marc Tsang Min Ching
19	Mackenzie Van Camp
20	Nicholas Vickers
21	Timothy Weber
22	Lu Yan
23	Yanyu Zhao

III. Chapter Activities

1. General Body Meetings

An informational meeting was held on October 12th, to gather interest in reviving the chapter, discuss future events, and talk about next steps. A second general meeting was held on December 9th, which included officer elections and a further conversation of future events.

2. Outreach events

We have joined with the New England Section of the Optical Society of America in outreach events in the Boston area to demonstrate optical phenomena and generate excitement in the field of optics. We have participated in the Cambridge Science Festival and the Girl Scouts of Eastern Massachusetts STEM Conference and Expo.



We also coordinated and directed our own on-campus outreach event on February 24th, 2017 in collaboration with a Boston University Biomedical Engineering graduate student group. The outreach event was called “BU STEM Exploration Day.” We invited middle school and early high school age students to come spend a day at BU exploring various areas of STEM through interactive activities and tours/demos. These students were mainly children of non-professor BU staff, as we designed this event to be geared towards kids who do not come from households where one or more of their parents have established careers in STEM. We wanted to be able to provide kids who may have less exposure to STEM in their household with the opportunity to explore a variety of unique STEM experiences. The day-long event included activities such as touring facilities of research groups working with of

robotics and smart vision/sensing with hands-on demos, conducting a biomedical optics lab activity, building an LED based light box, and ice cream made with liquid nitrogen. We had about 10-15 kids participate, with 10 volunteers helping throughout the day. We aim to make this an annual event that we host.

3. Seminar Series

Professor Peter So, a professor in the Department of Mechanical and Biological Engineering in the Massachusetts Institute of Technology, delivered a seminar as part of our seminar series on shaping and sensing light. We hosted Professor So for the day, planning meetings with faculty before and after the seminar. The day concluded with a dinner with several graduate students, allowing the students to interact with Professor So in a less formal environment.



IV. Planned Activities

1. Fall Semester General Body Meeting

We will be holding a general meeting at the start of the Fall semester to recruit additional members, communicate the goals of the chapter, and talk about the upcoming events that we have planned. Food will be served to encourage attendance.

2. Lecture Series

We will be continuing our bimonthly lecture series where we invite professors and researchers in the field to talk about their current projects. The next seminar is scheduled for September 7th, where Professor Scott Diddams will be speaking, and we plan on scheduling another for the end of November. Light refreshments will be served.

3. Lunch and Learn

We will be organizing a lunch with members of industry who addresses the field of optics from their industrial perspective and shares his/her own personal transition from academia into industry.

4. SPIE Solar Eclipse Meet

We will be organizing a small gathering for the BU community to view the solar eclipse. This will allow the community to experience this rare event, and spread the word about our growing club.

5. Boston Photonics Conference

In February of 2017, the Harvard Photonics Club held a Boston Photonics Conference showcasing photonics research in the Boston area. We have started a collaboration with the Harvard Photonics Club and plan on hosting the next Boston Photonics Conference at the Boston University Photonics Center in February 2018.