

SPIE 
Student Chapter
Boston University

Annual Report
2018

I. Boston University Chapter of SPIE Members

The elected officers for 2018 are:

Position	Name	Email	Member Number
President	Allison Marn	ammarn@bu.edu	4042728
Vice President	Raeef Istfan	raeef@bu.edu	3557873
Treasurer	Timothy Weber	tweber@bu.edu	4042744
Secretary	Fulya Ekiz Kanik	fulyaek@bu.edu	
Webmaster	Anup Tank	anuptank@bu.edu	
ECE Representative	Anahita Pilvar	apilvar@bu.edu	
ECE Representative	Negin Zaraee	nzaraee@bu.edu	
BME Representative	Kavon Karrobi	kkarrobi@bu.edu	4012434
ECE Representative	Peng Lin	penglin7@bu.edu	

Current Student Members:

1	Ahmet Emin Akosman
2	Pu-Ting Dong
3	Yutong Duan
4	Anubhab Haldar
5	Havva Begum Kabagoz
6	Raeef Istfan

7	Kavon Karrobi
8	Allison Marn
9	Alex Matlock
10	Hannah Peterson
11	Gautam Prabhakar
12	Eric Nelson
13	Peter Jermain
14	Antonio Ortega-Martinez
15	Anup Tank
16	Annie Rabi Bernard
17	Farzane Shirazi
18	Jean-Marc Tsang Min Ching
19	Jingyi Sun
20	Nicholas Vickers
21	Xiao Wang
22	Timothy Weber
23	Negin Zaraee
24	Junjie Zeng
25	Bohan Zhang

26	Yi Zhang
27	Syeda Tabassum
28	Yanyu Zhao

III. Chapter Activities

1. General Body Meetings

As we have recently restarted the Boston University Chapter of SPIE, an informational meeting is held once a semester to gather interest in reviving the chapter, discuss future events, and talk about next steps. We recently held a meeting March focused on re-engaging our members and attracting new members as well. From this meeting, we were able to recruit four new officers, ensuring that the BU chapter will remain strong in the upcoming years

2. Outreach Events

Once again, 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. This year we participated in the Cambridge Science Festival, Science on State Street, and the Massachusetts State Science Fair.

We also ran a demo table at "SET (Science, Engineering, Technology) in the City - A Day of Career Exploration for High School Girls" hosted at BU.

3. Seminar Series

We have recently hosted the following professors who gave research talks at BU as part of our seminar series:

Professor Agrawal - October 2017

Professor Culver - April 2018

The professor visits BU for the day, we scheduled meetings with faculty before and after the seminar. Additionally, we organized a lunch with several graduate students, allowing the students to interact with the professor in a casual setting.

We also hosted Alex Walsh, an assistant scientist at Morgridge Institute for Research in June 2018. Dr. Walsh spoke on optical Metabolic Imaging to Measure Therapeutic Response in Cancer.

4. Professional Development

In October, we hosted an Industry Lunch and Learn with Dr. Don McDaniel of ThermoFisher Scientific. Dr. McDaniel delivered a technical presentation on handheld X-ray fluorescence spectrometers, and then continued with an open discussion on his career journey and his experiences at Thermo Fisher.

5. Boston Photonics Conference

In February of 2017, the Harvard Photonics Club held a Boston Photonics Conference showcasing photonics research in the Boston area. This past February 2018, we hosted the second annual Boston Photonics Conference at the Boston University Photonics Center.

6. Social/Networking Events

In June, we hosted a networking social titled using spectrometers to investigate Beer's law using various absorbing, scattering, and transparent liquids. Our members were able to explore the optical properties of fluidic materials and make connections with their colleagues across departments.

IV. Planned Activities

1. Fall/Spring Semester General Body Meeting

We held a general meeting once a semester to recruit additional members, communicate the goals of the chapter, and talk about the upcoming events that we have planned. Food was served to encourage attendance.

2. Social/Networking Events

We will be hosting two more events networking social this summer, one in July and one in August to give our members the opportunity to network across departments and form relationships with other optics researchers.

3. Seminars

We will be hosting Dr. Hui Cao from Yale University as our Fall Distinguished Seminar Speaker on Wednesday September 26th, 2018. We also plan on hosting additional speakers in the winter and Spring months, including potentially Gerd Keiser, a research professor at BU, Rick Trebino of Georgia Tech, and Pu-Wei Wu.

V. Finances

We are still a new chapter and much of our funding for seminars and the lunch and learn have been supported by the Boston University Photonics Center, and therefore we do not have full knowledge of the cost. The outreach events similarly are of no cost, as we already have equipment for optics demos and all we need to supply is our time. The Boston Photonics Conference that we hosted in February was the first event that we fully funded ourselves, and the cost breakdown of this event was as follows.

Item	Funds Raised	Funds Expended
Company Sponsors for Boston Photonics Conference	\$6,000	
OSA Grant	\$2,500	
Ticket Sales for Boston Photonics Conference	\$2000	
Boston Photonics Conference (Food for breakfast, lunch, and coffee breaks, facility charges, AV costs, nametags, programs, posters)		\$10,500
Balance: \$0.00		



The executive board pictured with Keynote Speaker Fiorenzo Omenetto and Invited Speaker Michelle Y. Sander at the 2018 Boston Photonics Conference.



An overhead view of the poster session that concluded the 2018 Boston Photonics Conference