



Student Chapter Annual Report 2016

Officers

Position	Name	Member #	Email
President	Joshua Burrow	4017277	burrowj2@udayton.edu
Vice President	Gary Sevison	4024752	sevisong1@udayton.edu
Treasurer	David Lombardo	3650224	lombardod1@udayton.edu
Secretary	Elaheh Ghanati	4022777	ghanatie1@udayton.edu
Advisor	Imad Agha	1012684170	iagha1@udayton.edu

Member List: 19

Name	Expires
Michael Amonson	6 April 2017
Abtin Ataei	28 August 2017
Hongwei Chen	16 November 2017
Sarah Krug	5 October 2017
Gary Sevison	17 November 2017
Mitchell Bauer	30 September 2017
Behzad Bordbar	22 February 2017
Rudra Gnawali	17 February 2017
Mallik Mohd Raihan Hussain	11 February 2017
Thomas Iverson	26 September 2017
James Zimnicki	11 October 2017
Yimin Zang	3 November 2017
Joshua Burrow	4 October 2017
Elaheh Ghanati	29 December 2017
Alexander Downham	29 December 2017
Eric Turner	30 December 2017
Emily Erdman	30 December 2017
John Hennen	10 November 2017
Zarirui Li	30 December 2017

Alumni Roster: 12

Name	Graduation Date
Joseph Binford	Dec 2006
George Nehmetallah	Dec 2006

Mohammad Saleh	Aug 2007
Jason Schmidt	Dec 2006
James Grote	(not available)
Joseph Reiersen	Dec 2011
Andrew Sarangan	(not available)
Erica Whitefield	Dec 2012
Ujitha Aberwickrema	May 2015
Renjie Zhou	
Amit Ben Harush-Negari	Dec 2014
Vincent Cowan	

2016 Activities

Club Meeting

January 26, 2016

A meeting was held at the beginning of the spring semester to discuss the upcoming Techfest STEM festival and events for the rest of the semester. Cookies and punch were provided for attendees.

Outreach: Optics Presentation at Local School

January 22, 2016

A student from the chapter gave a presentation about light and optics to two fifth grade classes at St. Albert the Great School in Kettering, Ohio. About 20 students were in each class and the presentation included information about career options in optics as well as hands-on demos with lasers, lenses, and mirrors.

Outreach: Techfest 2016

February 13-14, 2016

Each year, Sinclair Community College sponsors a weekend outreach event that allows schools and businesses in the Dayton area to demonstrate the use of science and technology within their fields of expertise. The event is geared mostly towards elementary and middle school students and their families. The University of Dayton's Electro-Optics Department and SPIE/OSA Joint Student Chapter annually hosts an exhibit table at this event. We demonstrated some uses of light in technology, including examples of polarizers and diffraction gratings as well as a display related to fiber optics. The laser game, Khet 2.0, as well as some lens and laser toolboxes were also used to provide hands-on opportunities for children to discover how to direct light with mirrors and lenses. There were approximately 75 exhibits, 36 speakers, and 2,400 registered students (NOT including their parents) at the 2016 Techfest.



Social: Game Night

February 18, 2016

The student chapter hosted a game night near the beginning of the semester. Video, board, and card games were available and snacks were provided. Approximately 8 students attended.



Club Meeting

February 18, 2016

Officers and advisors from the OSA/SPIE and SPS chapters met to discuss an open house for the University of Dayton's Electro-Optics Program and Physics Department. It was decided that the event would focus more on science and engineering students at the university rather than trying to give information to student in the arts and humanities. It was decided that the advisors would work on recruiting speakers and we began to look for a place in which to hold the event.

Social: Pi Day

March 14, 2016

To celebrate Pi day, a lunch was hosted for all members, potential members, and faculty in the Electro-Optics Program. Pie and pizza was served at noon and math games were played. Approximately 20 people attended.

Social: Spring Picnic

May 20, 2016

The UD SPIE/OSA Chapter sponsored a spring picnic for all Electro-Optics faculty, students, staff, and their families. The event was held at 5:00 pm in a classroom in the EO department due to rain. Fried chicken and soft drinks were provided and students brought other dishes to share. Card games were played and about 15 students and faculty attended.

Social: New School Year Social

September 7, 2016

A party was sponsored at the beginning of the school year to welcome back old students and faculty while introducing new students to the department. Pizza and soft drinks were provided at 1:30 pm. A quick overview of the chapter's annual events was given and new students were encouraged to join SPIE and OSA. Approximately 60 students attended.



Social: Annual Fall Picnic and Crab Feast

September 24, 2016

A picnic was also sponsored at the beginning of the fall semester for all Electro-optics faculty, students, staff and their families. This event allowed incoming students to socialize with the professors and other students. Approximately 12 people attended. Fresh steamed crabs were ordered from Maryland. New chapter members could eat crabs for free, returning members were charged \$5 and non-members were charged \$10. Hotdogs were also served shortly after noon and drinks were provided. Attendees were asked to bring sides and desserts.

Officer Meeting

October 24, 2016

An officer meeting was held to schedule the chapter election and discuss an amendment to the chapter constitution to change the time of elections to late in the spring semester.

Club Meeting: Elections

November 4, 2016

This meeting was scheduled to elect new officers, amend the chapter constitution, and encourage more students to participate in the student chapter and join SPIE and OSA. Cookies and punch were provided to boost attendance. There were approximately 15 students. Two amendments were made to the constitution. First, the time of chapter elections was changed from early in the fall semester to late in the spring semester so that most students considering officer positions will know whether they will be returning for the upcoming school year or not. Second, the time of the monthly meetings was changed from the first Friday of each month to a more flexible schedule to allow for the changing class schedules of the students and Electro-Optics Department. David Lombardo retained his position as treasurer. The new officers elected this year included Joshua Burrow as president, Gary Sevison as Vice President, and Elaheh Ghanati as secretary.

Officer Meeting

November 18, 2016

This was the first officer meeting called after the election. Dates were set for a game night and the annual Electro-Optics Holiday Potluck. The previous chapter president attended to give the new officers a summary of their roles and give them information needed to continue managing the chapter, including passwords, an overview of the chapter's file system, and a list of the annual chapter events.

Social: Game Night

December 2, 2016

The student chapter hosted a game night near the end of the semester. Video, board, and card games were available and pizza was provided. Funds gained from the crab feast at the picnic at the beginning of the semester were used to raffle 2 SPIE student memberships for the upcoming year.



Social: Holiday Potluck

December 8, 2016

A potluck dinner was held to celebrate Christmas, the New Year, and the end of the semester. Chicken wings and drinks were provided by the student chapter. Attendees provided sides and desserts. Approximately 20 students, faculty, and family attended. Table tennis and card games were played.



Tentative 2017 Activities

Annual Events:

Social

- Pi Day
- Spring Picnic
- New School Year Kickoff Meeting
- Fall Picnic
- Holiday Social
- Game nights

Outreach

- TechFest 2017

Single-time events:

Social: List of Possible outings

Spring and Fall 2016

Chapter members have asked for events such as laser tag, rock climbing, or game nights. Some of these activities may be held during 2016.

Outreach: Middle School Optics Presentations

Spring 2017

One chapter member plans to present some optics demos at a STEM night at Bellbrook Middle School near Dayton, OH in February. She may also present for the 5th grade classes at St. Albert the Great School again.

Professional Development: Students Presenting Optics Research Symposium (SPORT)

Spring 2017

Many students in our chapter have voiced concerns about orally presenting their research feel they do not possess the necessary tools to create a scientifically effective presentation. In order to mitigate this concern the officers of the OSA and SPIE student chapter are planning to implement the SPORT symposium starting in Spring 2017. SPORT will be a one hour bi-weekly event held on Friday's at 12 noon. It will give students an opportunity to practice presenting their research to a group of peers. In addition, professors will be asked to present on topics such as writing abstracts for conference papers, guidelines for creating a publishable graph or figure, and tips for publishing a paper. The OSA and SPIE student chapter would like to provide lunch and drinks for each event and t-shirts for all presenting participants. If SPORT goes well, it will hopefully become a regularly held event within the department.

2016 Finances

Funding

Date	Amount	Source
1/13/2014	900	SPIE Activity Grant
2/10/2016	450	OSA Activity Grant
11/18/2016	110	Fund Raising

Expenses

Date	Amount	Activity
2/01/2016	88.27	2016 Kickoff Party
4/22/2016	162.00	Outreach Spending for Tech Fest
9/22/2016	127.00	2016 Fall Picnic
9/23/2016	486.98	2016 Fall Picnic Recruiting Supplies
11/18/2016	251.06	Outreach/Recruitment Game Night
		Poster/Banner Printing
12/03/2016	6.73	2016 Election Supplies
12/03/2016	40.73	2016 Election
12/09/2016	35.00	Holiday Department Party
12/30/2016	40.00	Student Membership Raffle

Beginning Balance: 1776.56

Total Expenses: 1237.77

Ending Balance: 1944.14