
New Executive Committee:

Shi Zhu; szhu060@uottawa.ca President
Mitra Rahimian; mit.spica@gmail.com Vice-President
Payman Rasekh; p.rasekh@gmail.com Treasurer
Sanmeet Chatal; Schah063@uottawa.ca External communication
Shayan Saeidi; shayan.sdi@gmail.com Internal communication
Majid Naji; mnaji077@uottawa.ca Mentor

Dr. Trevor J. Hall: Faculty Advisor of the Chapter

- The new board of the SPIE Chapter started their mandate on June 2016.
- The board members meet monthly to achieve the Chapter’s vision of “creating a scientific, entrepreneurial and social network and platform for our students at the University of Ottawa” along with “more effective and interactive communication with UOttawa students to introduce/present Optics and Photonics”, as well as discussing and planning our near future events and activities.
- The board members started to work to achieve a common goal of introducing optics and photonics to UOttawa students, as well as facilitating collaborations with nearby SPIE chapters, other optics associations, and optics/photonics researchers/scientists. The board members accomplished these goals by encouraging UOttawa Students to join the SPIE and UOttawa SPIE chapter as well as supporting optics/photonics students/researchers to present their projects to others especially in public and finding job in the local/international markets. In
addition, we provide a friendly and dynamic atmosphere for our members, letting
them to expand their networks. To fulfill our vision the following events were
organized:

I. Past events

a. Organizing SPIE professional development workshop for our board
members.

In August 2016, the board members of SPIE gathered to discuss our agenda on
“how to organize and split the duties and responsibilities” setting up the annual
schedule of events (workshops, movie nights, conferences, observations and etc.),
practicing effective team work and communications. Our professional
development workshop started with taking two behavioral/teamworking
psychological tests following analyzing results to identify board members
behavioral team working abilities to perform more efficiently.

b. Coffee Social events

To provide a social and networking opportunity for electrical engineering,
computer engineering and physics students as well as to introduce SPIE, we
organize coffee social events. During these kind of events, we introduce SPIE and
our chapter and encourage students to collaborate with our chapter and join the
SPIE and our board/chapter.
On September 23rd 2016, we had a joint event between our chapter, EEGSA (electrical engineering graduate student association) and CSGSA (Computer Science graduate student association) at the University of Ottawa. During these sessions, the SPIE organization and its services as well as our future events were presented to all attendees. More than 20 students attended.

c. Having SPIE board social lunch

The board members (board of 2015) had a social meeting lunch on June 15, 2015 in which the agenda for future events and activities were discussed. The discussions were focused mainly on inviting prominent optics/photonics professors to present public talks at UOttawa, organizing future workshops as well as inquiring board member’s opinions and thoughts on choosing the optics/photonics scientific topics to be introduced in events including documentary movie nights and astronomical observation events.
d. **Attending Photonics West 2015 leadership workshop**

Shi Zhu, from our chapter, attended the workshop and introduced our chapter and its activities to other student chapters and attendees.

![Image of group photo]

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e. **SPIE Movie night events:**

To introduce optics/photonics and its amazing world to students/publics, UOttawa SPIE student chapter holds at least one SPIE movie night per semester.

i. In February 3rd of 2015, we celebrated the 100th anniversary of Einstein general relativity by organizing a joint movie night and a social event.

![Image of movie night event]

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**Documentary Movie**

*What Is Space?*

SPIE student chapter and EEGSA at the University of Ottawa are delighted to invite you to their annual documentary movie night.

**What Is SPACE?**

*What Is Space?*

**When:** Feb 3rd, 6:30 pm - 8:00 pm

**Where:** Room 3664, SITE, 800 King Edward Ave., Ottawa

[Event link](http://spie-site.ottawa.ca)
[Event link](http://www.sellottawa.ca/en/events)

Pizza and Refreshments will be served
ii. In October 22\textsuperscript{nd}, we organized a movie night and social event by showing the movie “Einstein and Eddington”.

iii. April 1\textsuperscript{st}, 2016, Movie night, documentary title: The secrets of the Sun.


f. Organizing a lab tour:

To celebrate the international year of light and to introduce different optics-related research at the University of Ottawa to the students from other disciplines, a half-day lab tour session was organized on April 23rd, 2015. Four UOttawa Optics and Photonics labs as well as the new photonic research building “ARC” (Advanced Research Complex) and its new facilities were visited. Diverse applications such as ultrafast optics, extreme nonlinear optics, fiber sensors and solar cells were presented to the attendee students.
g. Sky Observation events

i. To train our board members how to organize an astronomical observation event and how to work with our chapter’s reflective telescope, a training observation night was organized on June 14th 2015.
ii. A solar observation event was organized for the engineering and physics students at the University of Ottawa, on August 18th, 2015. Attendees had the chance to observe sun’s chromosphere and sunspots through an H-alpha filter, and solar ND filters, getting the chance to observe the beauty of the sun.

iii. Spermoon lunar Eclipse Observation September 27th, 2015:

To observe the supermoon lunar eclipse through a telescope and by the naked eye, a public observation night was organized at the campus of the University of Ottawa. More than 40 interested students and non-students attended this event.
iv. Observing the transit of Mercury across the Sun, at the University of Ottawa, May 9th, 2016. On that session, attendees observed the amazing active face of the sun and the mercury passage cross the sun, by the solar telescopes of the observatory of the Physics department using safe solar filters (ND and H-alpha).

II. **Future events and plans for 2017:**

a. **Winter and fall 2017 public lectures:**
   Inviting distinguished professors in the field of Optics/Photonics/Astronomy to present their research to the students and general audience.

b. **Winter and Fall session movie night and social gathering:**
   Organizing at least two movie nights and social gathering events.

c. **UOttawa SPIE student chapter board professional development workshop.**
   **Fall 2017:**
   We will have our 5th half-day professional development workshop, regarding the team working and leadership for the board members of the SPIE chapter in fall 2017.

d. **UOttawa and Carleton U SPIE joint board meeting and New Year dinner.**
   **Jan. 2017:**
   We are going to have a joint New Year dinner with the Carleton U SPIE student chapter board members regarding planning for our 2017 joint events and collaborations.

e. **Sending one of the board members of the chapter to the next SPIE leadership workshop in Optics-Photonics 2017.**
f. Organizing Optics and Photonics lab tours at the University of Ottawa, to introduce the Optics/Photonics research areas at the University of Ottawa to the undergrad students and other non optics/photonics students.

g. Organizing at least two sky observation sessions for observing the sun and its active regions as well as a night sky observation event.

h. Holding a half day astrophotography workshop inviting one of the professional astrophotographers of Ottawa.

i. Organizing a joint Khet tournament and game night with SPIE chapter at Carleton University for electrical engineering and physics students.

j. Organizing joint Café social events (at least one per semester).

k. Organizing a joint Summer BBQ event.

l. Visiting optical/photonics related companies in Ottawa.

m. Updating our current website.

III. Promoting chapter

a. Having a close collaboration with the electrical engineering graduate student association (EEGSA) at the University of Ottawa and other associations to have share events and programs.

b. Creating a new Facebook group page to invite UOttawa students to join us, announcing our events, Ottawa related events and job posts as well as sharing photos of each event. We have 77 members in our chapter’s FB page.

https://www.facebook.com/groups/541561582585594/

c. Designing and printing SPIE chapter flyers and distributing them in all optics and photonics related workshops and events at UOttawa, introducing SPIE and the UOttawa SPIE student chapter.

d. Sending e-mails to all students/university staffs, announcing our public events through the departments of Electrical Engineering and Physics.
IV. Finances

a. Two movie night events, serving refreshments and Pizza, $300
b. Joint dinner with OSA and SPIE Student chapter’s at Carleton University, $100
c. One professional development workshop for the board members, $100
d. Printing posters and handouts for all events, $50
e. Organizing at least 3 public talks, $500
f. Khet tournament and game night $50
g. Summer BBQ event $150

List of members (as of November, 2014):

1. Xiang Chen
2. Parya Samadian
3. Kavleen Aulakh
4. Jean-Michel Guay
5. Farshad Nejadsattari
6. Mitra Rahimian
7. Payman Rasekh
8. M.D. Saad-Bin Alam
9. Shayan Saedi
10. Mathew Wilkins
11. Yanping Xu
12. Shi Zhu
13. Weifeng Zhang