

Tel-Aviv University SPIE Student Chapter Annual Report July 2017-July 2018

General Information

Chapter faculty advisor's name:	Prof. Natan T. Shaked
Faculty advisor's email address:	nshaked@tau.ac.il
Group email	spietau@gmail.com
Chapter web site	https://www.facebook.com/SpieTauChapter
Address Line 1:	Prof. Natan T. Shaked, Department of Biomedical Engineering
Address Line 2:	Tel Aviv university
City:	TEL AVIV
State/Province:	-
Postal Code:	6997801
Country:	ISRAEL

Student Chapter Officers (for the duration of the report)

President	Name:	Yoav Nygate
	Email Address:	yoavnygate@gmail.com
	Member Number:	4024451
Vice President	Name:	Lihi Shiloh
	Email Address:	lihishiloh@gmail.com
	Member Number:	3507362
Treasurer	Name:	Lauren Wolbromsky
	Email Address:	bornstein@mail.tau.ac.il
	Member Number:	4024448
Secretary	Name:	Roy Davidi
	Email Address:	RoyDavidi@mail.tau.ac.il
	Member Number:	3761498

Current Members / Membership Roster

Name	Expires
<u>Ori Avayu</u>	28 March 2019

<u>Roy Davidi</u>	16 November 2018
<u>Dmitry Filonov</u>	16 November 2018
<u>Oshrit Hoffer</u>	10 January 2019
<u>Lidor Karako</u>	21 November 2018
<u>Shlomi Lightman</u>	1 April 2019
<u>Guy Nir</u>	29 April 2019
<u>Yoav Nygate</u>	16 November 2018
<u>Dina Rosenberg</u>	8 January 2019
<u>Adam Rubin</u>	16 February 2019
Lihi Shiloh	12 October 2018
<u>Nir Turko</u>	9 January 2019
<u>Lauren Wolbromsky</u>	15 November 2018

Details of Chapter activities since last report

This past year we decided to try something a little bit different, and instead of organizing lots of small events that only attract the interest of a few students or SPIE members, we focused all our attention and budget on one large event that was open to all optic students across the country.

We designed and ran the **SPIE Optical Escape Room**. The university allocated us a small room for an entire semester, and we got additional funding from both the Light-Matter-Interaction Centre at the university and Rosh Electro-optics. The concept of the room was one all of us can relate to – we are in a time restraint to get final results before our paper can be published. The room was to be completed with teams of four and was split into three tasks. The students had 45 minutes to get the desired results before their paper was rejected.

The room was a huge success. We had great fun creating and running it and the SPIE members who made it happen were exceptionally generous with their time. We have even been asked to replicate the room at next year's OASIS conference held in Israel.

To inaugurate the room, we invited immediate past SPIE president Dr. Robert Lieberman to give a lecture and then be the first to attempt the room. We had a lot of fun 'rejecting' his paper.

You are invited to our Hanukkah Celebration and
OPTICAL ESCAPE ROOM Opening With:



Dr. Robert Lieberman

President Lumoptix LLC and past SPIE president

**Optical Fiber Sensors:
Submicron to Suprakilometer**

The advancement of optical waveguide technology has been driven by interplay between the development of techniques for sensing and for communications. This interplay has resulted in sensors capable of measuring physical and chemical properties at length scales comparable to entire railroad tunnels, comparable to cellular organelles, and a panoply of point sensors, distributed sensors, and sensor arrays for every length scale in between. As new waveguide-related technologies emerge, exciting new opportunities are arising to extend this range even further.

Drinks and "SUGANIYOT" will wait for you!

SPIE.TAU.Chapter 



Details of planned activities for the near future

As last year's Light a Candle competition didn't happen, we are planning to have a national competition this year. An additional escape-room is also on the itinerary.

We will also focus our attention on smaller events, like SPiEcream and OptiBeer.

Financial information report

Funds raised for the duration of the report

1. 2017 unused budget: 808.44USD (2940 ILS)
2. We have received a grant from **TAU Electro-optics fund** due to our activities during the year – 412.4 USD (1500 ILS), this grant can be used only directly from Electro-Optics funds and not part from the SPIE chapter bank account.

Total chapter funds raised 412.4 USD (1500 ILS)

We had no other funding sources than those listed above.

Expenses for the duration of the year

1. Launch with invited speaker (Dr. Robert Lieberman): 189 ILS (51.98 USD)
2. Equipment for the escaping room: 428 ILS (117.8 USD)
3. Bank commissions: 28.51 ILS (84.71 USD)
 - There might be differences due to changes in the currency values

Total expenses spent: 169.7 USD (617 ILS)

Current chapter bank balance – 519.79 USD (1890.09 ILS)

Current chapter balance – 932.19 USD (3390 ILS)