

Tel-Aviv University SPIE Student Chapter Annual Report July 2014-July 2015

General Information

Chapter faculty advisor's name:	Dr. Natan T. Shaked
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Chapter web site	https://www.facebook.com/SpieTauChapter
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Student Chapter Officers (for the duration of the report)

President	Name:	Haniel Gabai
	Email Address:	haniel.gabai@gmail.com
	Member Number:	3484202
Vice President	Name:	Idan Steinberg
	Email Address:	idanstei@gmail.com
	Member Number:	3239078
Treasurer	Name:	Lih Shiloh
	Email Address:	Lihshiloh@gmail.com
	Member Number:	3507362
Secretary	Name:	Itai Epstein
	Email Address:	itayet@post.tau.ac.il
	Member Number:	3568425

Current Members / Membership Roster

Name	Expires
Yoram Abramovitz	23 January 2016
Doron Bar-Lev	16 November 2015
Arik Bergman	12 November 2015

Gili Dardikman	20 November 2015
Michal Eitan-Wiener	13 January 2016
Itai Epstein	16 September 2015
Asaf Farhi	18 July 2016
Haniel Gabai	18 January 2016
Hanan Herzig Sheinfux	22 January 2016
Omer Kotlicki	2 December 2015
Alexander Lozovik	30 March 2016
Assaf Manor	1 November 2015
Avi Motil	11 November 2015
Darina Roitshtain	23 July 2016
Lihi Shiloh	12 October 2015
Idan Steinberg	21 November 2015
Mariano Susman	17 April 2016
Lev Tal-Or	16 July 2016
Nir Turko	24 May 2016
Omer Tzang	19 January 201

Details of Chapter activities since last report

1. On December 31st 2014 we had an opening year event. After gathering and refreshments, Prof. Avishay Eyal had given an exciting lecture about distributed acoustic sensing with optical fibers. He presented the physics and applications of turning a standard communication type optical fibers into a dynamic array of thousands of sensors. After the lecture we had a poster competition, where 10 posters participated. The prize was a generic 10" tablet with 2 Gb ram, 16 Gb Hd, 1200X1800 pixels. The wining poster was titled "Real-time fast and distributed measurement of a Brillouin-inhomogeneous fiber using a tailored frequency probe in slope assisted BOTDA", presented by Mr. Avi Motil.





2. November 2015, guest lecturer Prof. Haim Suchowski from TAU university on "Light waveguides in Nano-structures"
3. March 1st 2015, guest lecture by Dr. Amos Danielli from Bar-Ilan University. After gathering which included Beers and a pizzas, Dr. Amos Danielli, from the engineering faculty at Bar-Ilan university gave an overview of the exciting research fields in his new lab and company. His lecture, entitled, "Developing optical bio-sensing techniques to advance personalized medicine to the next levels", overviewed various techniques ranging from non-linear photoacoustics to magnetic modulation sensing.
4. On March 25st 2015 KLA-Tenkor Company had a "Yom-Zarkor", with a lecture about challenges in the new innovative technology industry. The SPIE student chapter encouraged the students to come and hear about technology in the industry.
5. In March, a collaboration with OSA Student Chapter in a educational day for undergraduate student for physics, chemistry and EE. The following guest lectures where invited: Prof. Alon Bahabad (EE), Dr. Pavel Ginzburg (EE), Prof. Haim Suchowski (Physics), Sharly Flaisher (Chemistry).
6. On May 31st 2015 guest lecturer - Prof. Luc Thevnaz. Prof. Thevnaz and the chapters' officers started the day with a delightful conversation over morning coffee. After that we continued to Prof. Thevnaz insightful lecture titled "**Distributed Brillouin Fibre Sensors: Recent Progresses & Perspectives**". The lecture was populated by professors and students from several universities, and engineers from the industry. Prof. Thevnaz, the officers, and a number of professors enjoyed lunch together before exploiting Prof. Thevnaz knowledge even further in a tour through all relevant labs in our university.



7. SPIE Student Chapter meeting and elections - On the 19th of June 2015 we had our summer opening event. This event included two parts:
- Elections for the SPIE student chapter officers. First we first introduced the new officer candidates and then we performed elections to the 4 officers. The elected officers are:
New President: Avi Motil
New Vice President: Nir Turko
New Treasurer: Asaf Farhie
New Secretary: Lihi Shiloh
 - A fascinating lecture by Dr. Natan Shaked who talked about "Challenges in interferometric imaging of live cells"

Additional monthly coffee and mingling sessions were organized for the students in our chapter.

Financial information report

Funds in the duration of the report

1. Activity grant 2014 unused: 1191.35 ILS (348.26 USD)
2. We have received activity grant of 900 USD.
After commotions, 825.23 USD (3218.4 ILS) is the amount we have received to the chapter's bank account.
3. We have received the officer travel grant for the sum of 2500 USD for reimbursements + conference registration fee waiver. The grant was given to our SPIE student chapter president Haniel Gabai for his oral presentation "Broadband ultrasonic sensor array via optical frequency domain reflectometry" in SPIE Photonics West 2015.
4. Visiting Lecturer Grant for the sum of 1500 USD for reimbursements for the visit of Professor Luc Thevnaz from Swiss Federal Institute of Technology of Lausanne (EPFL).

We had no other funding sources then those listed above.

Expenses for the duration of the report

1. Refreshments for three chapter meetings: 2160.1 ILS (631.24 USD)
2. Awards for opening event : 408 ILS (108.23 USD)
3. Chapter promotional material (Ads, Logo etc) : 165 ILS (43.77 USD)
4. Banking fees: 5.32 ILS (1.41 USD)

Total expenses spent: 2738.33 ILS (782.65 USD)

All of the above were described in our funding request, except for the Banking fees expanses which were unknown at the time of the request, and the USD to ILS exchange rate.

Current chapter balance - 1189.36 ILS (347.56 USD)