



# Annual Report 2018

This is a report for the year 2017 starting from Jan 1. All the activities are also actively updated on our Chapter website: <http://dtulys.osahost.org/>

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## DTU-Lys Board

*The new board effective from 18 Dec 2018:*

<b>OSA/SPIE/EPS President</b>	Mikkel Jensen
Vice President OSA	Abubakar Aduma
Vice President SPIE	Simon Lønborg Christensen
Vice President EPS	Daena Madhi
OSA/SPIE/EPS Treasurer	Manoj Dasa
Secretary of OSA	Frederik Klejs
Secretary of SPIE	Neethu Mathew
Secretary of EPS	Kyei Kwarkye
Webmaster of DTU-Lys	Martin Søren Engmann Djurhuus

### **SPIE Student chapter Officers**

SPIE President	Mikkel Jensen	mikkje@fotonik.dtu.dk
Vice President SPIE	Simon Lønborg Christensen	slon@fotonik.dtu.dk
SPIE Treasurer	Manoj Dasa	manda@fotonik.dtu.dk
Secretary of SPIE	Neethu Mathew	namama@fotonik.dtu.dk

# MEMBER AND ALUMNI ROSTER

## Member and Alumni Roster

### MEMBER ROSTER

NO.	NAME
1	Emil André
2	Dagmawi Alemayehu Bekele
3	Jesper Christensen
4	Mathias Geisler
5	Muhammad Tahir Jamal
6	Mikkel Jensen
7	Jonathan Scharff Nielsen
8	Hitesh Kumar Sahoo
9	Aurimas Sakanas
10	Yu-Pei Tseng

### ALUMNI ROSTER

NO.	NAME
1	Mattia Michieletto
2	Christian Pedersen

## Chapter Activities

### **FUNLIGHT 2018**

Date: 21 February 2018

No. of Participants: 60+



*Prof. & SPIE Fellow Jesper Glückstad from DTU Fotonik giving a talk entitled  
**Light robotics – a brand new interdisciplinary R&D area***

This year's annual FUNLight event was presenting the field of Light Robotics. After an introduction to the DTU-Lys student chapter, more than 60 bachelor and master students were listening to "Light Robotics – a brand new interdisciplinary R&D area" as presented by Prof. Jesper Glückstad from the Programmable Phase Optics group at DTU Fotonik.

He started by presenting the components necessary for the field of light robotics. For example the field of light sculpting which he also works with. Then videos of different experimental demonstrations of the fields capabilities were shown to demonstrate the practical applications and capabilities of the field. Ideas for future works especially in biology was also discussed.

After the presentation, students were offered to have free pizza and drinks in the Line of Light, where many of them had a pleasant evening further discussing the intricacies of light robotics.

# CHAPTER ACTIVITIES

## LUNCH WITH INDUSTRY

Date: 10 October 2018

No. of Participants: 80+



Photos from the Lunch-with-Industry Event

During Wednesday's lunch hour, the Line of Light auditorium was crowded with more than 90 bachelor, master and PhD students interested in hearing about optics and photonics technologies in the "Lunch with Industry" event. After grabbing a sandwich and soda, they focused their attention on Jacob Riis Folkenberg from Foss, Mads Brøkner Falkenberg Christiansen from 3Shape and Sigrid Skovbo Andersen from OFS. After the presentations, interested students stayed to ask questions and network with the company representatives.

Thanks to Foss, 3Shape and OFS for shedding some light on current status of the laser industry!

# CHAPTER ACTIVITIES

## **IONS SCANDINAVIA 2018**

Dates: 5 June – 9 June 2018

No. of Participants: 100+

Our chapter was the main host of this years IONS Scandinavia, which was held at DTU in June. SPIE acted as sponsor in the event, and we have earlier this year provided SPIE with a detailed report covering the event.

## **DTU-LYS SOCIAL DAY**

Date: 8 November 2018

Our chapter organized a social day to acquire more active board members. We went to a Laser-tag arena and battled in teams of 5v5. The day was a lot of fun and also involved socializing after the laser tag.

## **DTU LYS COLLOQUIA: PROF. JOHN DUDLEY**

Date: 12 October 2018

No. of Participants: 20+

In this DTU-LYS Colloquia prof. John Dudley gave a lecture entitled “Unexpected Ultrafast: New Fibres, New Technologies, New applications”.



Photo from lecture by John Dudley.

The lecture was very well received by the attendees, and Prof. Dudley also gave his view on the recent nobel prize awarded within our field.

# CHAPTER ACTIVITIES

## **OUTREACH ACTIVITIES**

Dates: Spread over the year

At multiple occasions our student chapter has performed various outreach activities. This includes (January 2018) where we presented our activities to the new students in the department, (June 2018) where we presented our board work and activities to PhD students at Chalmers University in Sweden in order to convince them to start up their own student chapter; and recently (December 2018) where three board members visited a physics class in secondary school to tell them about light's nature and its applications.



# CHAPTER ACTIVITIES

## 2019 & FUTURE PLANS

As in past years we plan to organize our yearly FunLight and Lunch-with-Industry events. These events are by now well known among the students, and always attract 50-100 students.

Further, next year we plan to visit a Photonics company located in Denmark. This is something we have done earlier on, and is usually quite popular among the Master & PhD students in our department.

For next year, we also plan to organize a professional development event, potentially partnering up with IDA (Union for engineers in Denmark), which should be a guide/workshop for planning your early career.

# FINANCIAL INFORMATION

## Financial Information

Balance pr. 01/01-18: 4002.24 DKK

Expenses from SPIE account: 1090 DKK

Current Balance pr. 12/18-18: 2912.24 DKK