



# University College Dublin

## SPIE Student Chapter

**Annual Report**  
**October 2016 - May 2017**



## Contents

UCD SPIE Student Chapter .....	3
Elected Officers .....	3
Current Chapter Members.....	4
Members Update.....	4
UCD SPIE Student Chapter Grant.....	4
Chapter Activities 2016 – 2017 .....	4
Chapters Meet Up (December-February 2016).....	4
SPIE Optics + Optoelectronics 2017 .....	7
Upcoming Chapter Activities.....	8
Dublin Makers (July 2017) .....	8
Outreach activities .....	8
Welcome event.....	8
Conferences.....	8
Financial Justifications.....	8
Officer Travel Grant 2017 .....	8
Activity Grant amount .....	8
Author Travel Grant.....	8
Acknowledgements.....	9

# UCD SPIE Student Chapter



Chapter Advisor: [Prof. John T Sheridan](#); Email: [john.sheridan@ucd.ie](mailto:john.sheridan@ucd.ie)

## Elected Officers



President	Vice President	Treasurer	Education Officer
Inbarasan Muniraj	Ra'ed Malallah	Min Wan	Ashammari Rusul
3657961	3644552	3774606	1300295
<a href="mailto:inbarasan.muniraj@ucdconnect.ie">inbarasan.muniraj@ucdconnect.ie</a>	<a href="mailto:raed.malallah@ucdconnect.ie">raed.malallah@ucdconnect.ie</a>	<a href="mailto:wanmin610@outlook.com">wanmin610@outlook.com</a>	<a href="mailto:rusul.alshammari@ucdconnect.ie">rusul.alshammari@ucdconnect.ie</a>

## Current Chapter Members

Abhishek Anchal  
Xin Fan  
Ra'ed Malallah  
Inbarasan Muniraj  
Yanting Shen  
ZHENGYUAN TANG  
Laura Tobin  
Sathya Velayutham  
Min Wan  
Qin Yu

## Members Update

The UCD-SPIE Student Chapter overwhelming with new family members and contributions from Newman scholars research group students. We heartily congratulate Dr. Liang Zhao (former member) on her new job (Associate Professor) in China and Mr. Inbarasan on his new job (Research Assistant) at School of Electrical and Electronic Engineering, University College Dublin, Ireland. We also welcome Ms. Man Wan, a new PhD student and member to our student chapter.

## UCD SPIE Student Chapter Grant

The current budget available in our chapter account is 264.05 € and additionally this year we have requested for a grant as we planned to organize some outreach activities with middle schools in Dublin, Ireland.

## Chapter Activities 2016 – 2017

During winter time, our chapter members were not involved in outreach activities except chapters meet up and annual chapter meeting. However, we planned for several outreach activities in couple of months as outlined below.

### Chapters Meet Up (December-February 2016)

Recently we held an OSA Ireland student chapters meet up (planning one for SPIE as well) however members of our SPIE chapter actively contributed and given a nice little talk.



**Picture 1: Picture taken at OSA chapters meet up.**



**Picture 2: Picture taken at send-off party organized for Dr. Liang Zhao (former chapter member).**





**Picture 3: Picture taken chapter annual meeting and Christmas celebration, December 2016.**

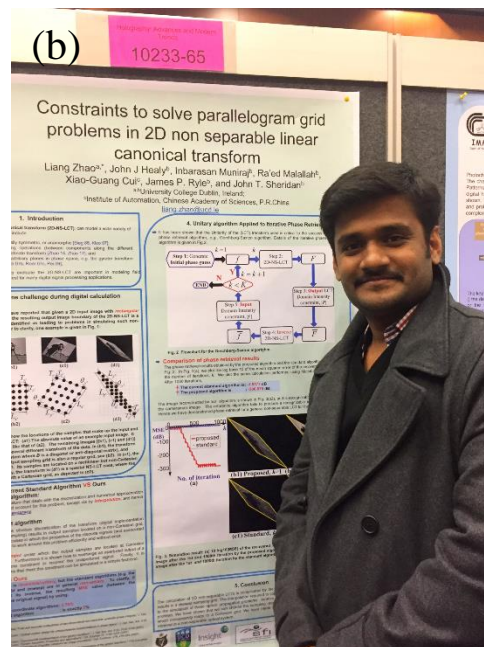
Furthermore, since the beginning of DIT SPIE student chapter, we are very closely organizing some events and sharing our research works. Recently, we have been invited to attend an invited talk in DIT and our chapter members have actively participated.



**Picture 4: Picture taken at DIT invited lecture talks, February 2017.**

## SPIE Optics + Optoelectronics 2017

The European conference that plays host to the most recent advances in laser technology worldwide. The information was presented by leading researchers, engineers and programme managers covering high-power, high-intensity and high-energy lasers, metamaterials, nonlinear optics, quantum optics, sensors, holography, EUV and X-ray optics, research using extreme light, and much more. This year, as usual, our chapter advisor Prof. John T Sheridan chaired this conference. Chapter members includes Mr. Inbarasan Muniraj, Mr. Ra'ed Malallah and Miss. Sathya Velayutham participated and presented at this venue.



**Picture 5: (a) Vice-president Mr. Ra'ed Malallah giving a talk (b) Chapter president Mr. Inbarasan Muniraj presenting poster at Optics + Optoelectronics 2017 conference, Prague, Czech Republic.**

## Upcoming Chapter Activities

### Dublin Makers (July 2017)



[Dublin Maker](#) is a one-day, hands-on, family-friendly, free, outdoor celebration of making on the Physics at Merrion Square. This year, again we are hoping to participate and deliver some optics experiments with full energy as it will take place from 10am to 6pm on 22<sup>nd</sup> July 2017. In particular, we will join hands with DCU chapter and organize some activities.

### Outreach activities

We are hoping to get a grant this year in order to deliver some outreach activities!!!

### Welcome event

This year we plan to host a welcoming event for upcoming students in UCD.

### Technical events and Conferences

Mr. Inbarasan Muniraj was invited by a SPIE student chapter in Poland (*Warsaw University of Technology, University of Warsaw and Military University of Technology*) to deliver a talk at the conference.

Another big event will be the attendance in SPIE Optics + Photonics 2017 (officer travel grant activity) again.

## Financial Justifications

### Officer Travel Grant 2017

This year officer travel grant will be used by Ms. Wan Min and to be shared with Mr. Inbarasan Muniraj.

### Activity Grant

Amount spent last year: 0 €

Available amount: 264.05 €

### Author Travel Grant

Sum of 2000 \$ has been awarded to Mr. Inbarasan Muniraj.



## Acknowledgements

The SPIE UCD Student Chapter extremely grateful for the support from volunteers throughout our events. In particular, we would like to convey our sincere thanks to Ms. Min Wan (BJUT) who helped us in all our recent activities.

Furthermore, Mr. Inbarasan Muniraj acknowledges the full-financial support from SPIE (travel Scholarship) to attend Optics+ Optoelectronics conference, Prague 2017.