

# ILLUMINATE

July 2023 \* ISSUE #27

## Consortium Happenings

### Secpho Virtual Delegation Meeting in-conjunction with Quarterly Members' Meeting on 5<sup>th</sup> July.

The hybrid event saw 53 local attendees from 25 companies and 3 Institutes of Higher Learning gather at The Arc, NTU, joined via Zoom by 16 attendees from 11 Secpho (Southern European Cluster in Photonics and Optics) companies, and the two organisations entering into a Memorandum of Understanding (see side article) ...[more](#).



### Tech Talks:

1. [Scaling up Flat Optics with Nanoimprint Lithography Technology](#), Dr Liu Hong, A\*STAR IMRE
2. [Label-free Imaging of Nanometer-scale Cellular Dynamics for Optoretinography](#), Asst Prof Tong Ling, NTU



### About the LUX-Secpho Memorandum of Understanding

LUX and Secpho have signed an MOU to promote collaboration activities in the field of photonics technologies. The agreement makes Secpho LUX's sixth international photonics industry partner...[more](#).

### LUX-Enterprise Singapore Workshop on Silicon Photonics Ecosystem held on 31<sup>st</sup> May

The closed door, by invite only event set out to share opportunities, challenges, new solutions and innovations with the community; support, build and enhance Singapore's silicon photonics ecosystem; and provide perspectives on market trends, new applications and novel technologies...[more](#).



## Research Highlights

### Metal Halide Perovskites for Solvent-free Fabrication of Functional Photodetectors

The Soo group, under Assoc Prof Soo Han Sen from Nanyang Technological University Singapore, is actively working on artificial photosynthesis, plastics upcycling, mechanosyntheses

of metal halide perovskites and the development of emissive applications of lead-free metal halide perovskites. Find out more [here](#).

## Industry News



### Heartiest Congratulations to Phaos Technology

Phaos Technology won the Nanotechnology-Semiconductor Award at the SBR Technology Excellence Awards 2023 for their cutting-edge optical microscopy technology. The award recognises the achievements of Singapore companies providing industry-changing products with their innovative technologies. Find out more [here](#).



### PI Group Expands Presence in Singapore

PI SEA, a subsidiary of the German based Physik Instrumente (PI) GmbH & Co. KG, has moved into a larger office with additional laboratory space in Singapore to further expand its activities in Asia and Australia. LUX was honoured to be invited to grace the official opening of the new office. Find out more [here](#).



### Transcelestial in Space Tech Spotlight

LUX start-up member Transcelestial is being featured in the Straits Times exploring new frontiers in the growing Singapore space tech scene. Transcelestial had raised US\$10 million in a series A2 funding round led by Airbus Ventures. Find out more [here](#).

## Upcoming Events



### LUX Workshop Series: Flat Optics

Thematic workshop on the development and opportunities of flat optics.



### Quarterly Members' Meeting

Find out what's new in the research community and new member presentations.



### TechInnovation Exhibition

LUX will be showcasing exciting technologies at the event organised by IPI. 31 Oct - 2 Nov Marina Bay Sands



### International Photonics Delegation Visit

29 Nov – 1 Dec

### Annual Photonics Conference

30 Nov



## CONNECT WITH US



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