

# SPMSnews

## ◀ HIGHLIGHTS OF THE WEEK

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### ◀ CONGRATULATIONS TO CLASS OF 2017!



This year, the SPMS Convocation celebrated the achievements of 670 undergraduate and 120 graduate students, who successfully graduated from SPMS with a number of them landing a job even before graduation. Some have decided to take their education further and pursue a Masters or Ph.D., advancing scientific research and innovation. The School wishes the Class of 2017 all the best in their future endeavours, with the hope that they will apply their knowledge in their desired fields, playing a contributive role in the society.

We could like to congratulate the following award winners:

Award	Name of Awardee
<b>Lee Kuan Yew Gold Medal</b>	Erickson Tjoa (Physics with Second Major in Mathematical Sciences) Muhammad Shafiq Bin Mohd Yusof (Chemistry & Biological Chemistry) Toh Zhao Zhi (Mathematical Sciences) Qin Jin (Mathematics & Economics)
<b>Shell Eastern Petroleum Gold Medal cum Cash Award</b>	Song Junxian (Physics) Tan Yu Hui (Chemistry & Biological Chemistry)
<b>Singapore Mathematical Society Gold Medal cum Book Prize</b>	Cai Yuyang (Mathematical Sciences)
<b>Pfizer Book Prize</b>	Arnold Subrata (Chemistry & Biological Chemistry)
<b>Staff Recreation Club Book Prize</b>	Chen Zhang (Mathematics & Economics)
<b>Ng Kong Beng Best Project Prize in Mathematical Sciences</b>	Jeven Syatriadi (Mathematical Sciences)
<b>Mr &amp; Mrs Goh Teng Loon Book Prize</b>	Winson Soo Weng Shern (Chemistry & Biological Chemistry)
<b>Dr and Mrs Alex Tan Pang Kee Gold Medal</b>	Moo Guo Sheng James (Doctor of Philosophy)

### ◀ KICKSTARTER PROJECT "SIGNAL"



A group of former Making and Tinkering course students has just launched a Kickstarter campaign for their creation **Signal**. Congratulations on your launch! They are all Year 3 students from SPMS (Ryan Tang, Malvin Tan, Louisa Ong) and MAE (Sean Chong).

**Signal** is a motion-detecting turn-and-brake signal device for bicycles and other personal mobility vehicles such as the skateboards, e-scooters and hoverboards. It is designed as a helmet attachment, and developed with the primary purpose of enhancing safety on the roads.

You can support their Kickstarter project [here](#). Follow their journey on their [Instagram](#) and [Facebook](#).

### ◀ CLASS OF 2017 GRADUATE'S STORY: SANTOSH YADAW



Physics first-class honours graduate Santosh Yadaw (Class of 2017) shares with us how he came to like Physics as a child, his proudest achievement in NTU and why he decided upon an engineering career with our national defence science agency. [Read more here](#).

Santosh also worked on the invisibility cloak for his FYP under the mentorship of Assoc Prof Zhang Baile.

"Prof Zhang taught me that the key to solving complex problems was by first understanding the basics behind it. This simple piece of advice is something that I apply to all aspects of my life."

### ◀ CONGRATULATIONS TO FACULTY MEMBERS



Congratulations to Assoc Prof Troy Lee! His paper has been accepted in the Journal of the ACM, a prestigious peer-reviewed scientific journal that covers significant works on principles of computer science.

The paper entitled "Separations in Query Complexity Based on Pointer Functions" gives a counter example to a 30-year old conjecture of Saks and Wigderson, and many strong separation results between deterministic, quantum and randomised query complexities.

### ◀ CHIJ ST. NICHOLAS GIRLS' SCHOOL VISITS SPMS



On 1 August, 22 students from CHIJ St Nicholas Girls' School visited SPMS to learn the basics of 3D modelling and printing. They toured the facilities in the school, including the Making and Tinkering lab where they viewed the various 3D-printed works on display, drawing inspiration from them for their 3D modelling assignment.

### ◀ RI & KOBE HIGH SCHOOL VISIT SPMS



Students from Raffles Institution (RI) and Kobe High School visited SPMS on 2 August where they were welcomed by Assoc Prof Richard Webster. They later participated in an immersive lab session on caffeine extraction at the chemistry teaching lab under the guidance of two of our teaching assistants. Asst Prof Chong Yidong also shared his knowledge on photonics research with the students.

### ◀ SNIC "THE TRITIUM WORKSHOP 2017"



On 4 August, the Singapore National Institute of Chemistry (SNIC) hosted "The Tritium Workshop 2017" at SPMS. During the workshop, more than 30 faculty members from both SPMS CBC division and NUS Department of Chemistry met and strategise the future direction of chemistry research in Singapore, and to discuss broad areas of collaborations between the top two chemistry institutions in Southeast Asia. SNIC is currently chaired by CBC's Professor Tan Choon Hong.