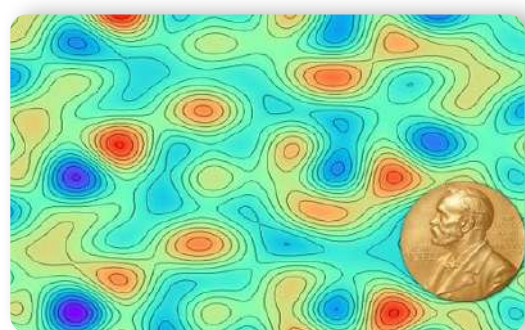


FEATURED ARTICLES

2021 Nobel Prize in Physics: Mysterious Mechanical Properties of Disordered Solids



Molecules order in a regular pattern when they crystallise. Yet, ordering is not always easy. Prof Giorgio Parisi, 2021 Nobel Laureate in Physics, rationalised how glasses form and their spectacular properties. Assoc Prof Massimo Pica Ciamarra (SPMS) investigates the mysteries of the glass transition phenomenon etc.

[Read more](#)

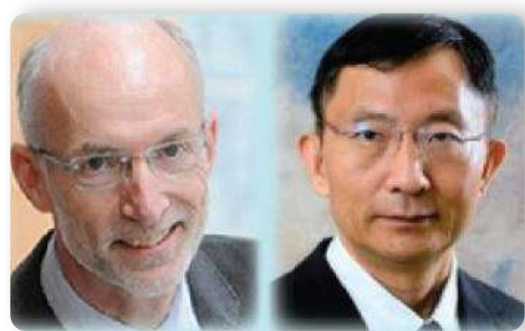
Web of Science's Hot Paper: Cost-effective Water Splitting Electrocatalysts Light Up the Clean Hydrogen Future



Prof David Lou's team (SCBE) made an important research perspective on the recent advances in catalyst synthesis. Non-noble metal-based oxygen evolution reaction electrocatalysts have attracted tremendous research attention due to their low cost and efficient catalytic performance.

[Read more](#)

IAS Distinguished Fellows



A warm welcome to our newly appointed IAS Distinguished Fellows Prof Stuart Parkin (Max Planck Institute for Microstructure Physics) and Prof Gao Huajian (Distinguished University Professor, CoS and CoE, NTU).

[Read more](#)

2021 President's Young Scientist Award



Nanyang Asst Prof Zhang Hanwang was awarded the top honour for his pioneering and fundamental contributions to applied causality in artificial intelligence. SCSE GSC had a candid interview with him about his research on Computer Vision and his advice.

[Read more](#)

EVENT HIGHLIGHTS

IAS Lee Kong Chian Distinguished Professor Public Lecture by Prof Stuart Parkin (19 January 2022)



Prof Stuart Parkin (Millennium Technology Laureate) shared exciting breakthroughs in new data storage technologies and introduced the Racetrack memory. This concept opens the possibility to build data storage devices with greater capacities, operate a million times faster and require less energy than existing hard drives.

[Read more](#)

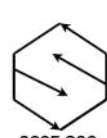
14th International Science Youth Forum 2022 (18 to 21 January 2022)



The annual ISYF was held by Hwa Chong Institution with support from IAS NTU. The prestigious Forum provides a platform for top research students from all over the globe to participate in intellectual discourse with eminent scientists, technopreneurs, medical professionals and government officers etc. The NTU speakers included Prof Joseph Sung, Prof Lee Pooi See and Assoc Prof Sierin Lim.

[Read more](#)

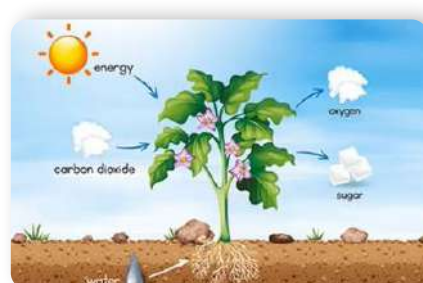
Discovery Science Seminars (February and March 2022)



Jointly organised with the Graduate Students' Clubs, outstanding NTU faculty who have made significant contributions to science were invited to present their seminal works and share their inspirational scientific and research experiences.

- Designing Confined Microenvironment at Functional Nanomaterial Interfaces for Enhanced Gas-Based Applications | Nanyang Assistant Prof Lee Hiang Kwee (SPMS)
- Applied Causality in Computer Vision | Nanyang Assistant Prof Zhang Hanwang (SCSE)

[Watch the videos](#)



UPCOMING EVENTS

Frontiers in Science: A Conference in honour of Nobel Laureate Professor CN Yang at 100

8 June 2022 | Nanyang Auditorium

Originally to be held in March 2022, the conference has been re-scheduled to 8 June 2022 in view of the recent surge in Omicron cases.

Registration for the hybrid event opens soon.



IAS@NTU Discovery Science Seminar by Assoc Prof Federico Lauro (ASE)

23 March 2022, 4pm SGT | Zoom Webinar

[Register now](#)

