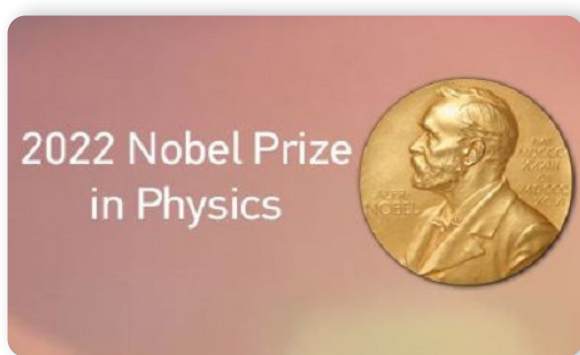


FEATURED ARTICLE

2022 Nobel Prize in Physics: The Genesis of Quantum Information Science



The Nobel Prize in Physics 2022 was recently awarded to Prof Alain Aspect, Prof John Clauser and Prof Anton Zeilinger for their groundbreaking experiments using entangled quantum states, where two particles behave like a single unit even when they are separated. Their results have cleared the way for new technology based upon quantum information.

[Read more](#)

EVENT HIGHLIGHTS

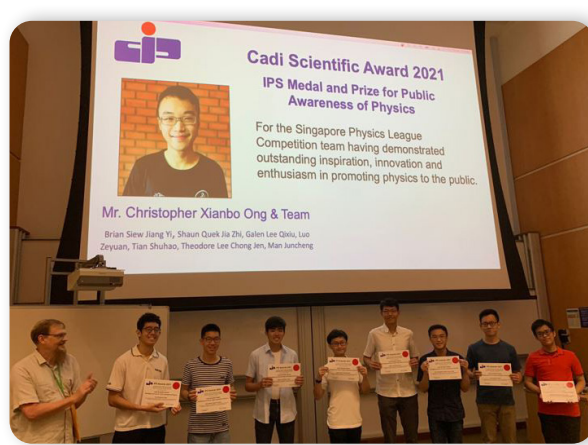
Nobel Laureate Lecture by Prof Serge Haroche 14 September 2022 | SPMS Lecture Theatre 1



The public lecture was part of the inaugural Nobel Prize Dialogue Singapore 2022, titled “The Future We Want Together”, launched at the Raffles City Convention Centre on 13 September 2022. Prof Ling San, NTU Deputy President and Provost, gave the welcome address, followed by opening remarks from Ms Laura Sprechmann, CEO for Nobel Prize Outreach. Prof Haroche captivated the audience with his interesting talk “The Usefulness of Useless Knowledge”. He shared that basic research and technology are two sides of the same coin - without basic research, novel technologies cannot be invented. Through time, scientists have made discoveries with no immediate applications, but serendipitously or through combinations of breakthroughs, after a long maturation time, these discoveries have led to innumerable inventions that have revolutionised our daily lives.

[Read more](#)

Institute of Physics Singapore (IPS) Meeting 2022 28 to 30 September 2022 | SPMS



The IPS 2022 Meeting, held at SPMS and supported by IAS NTU, gathered researchers and students to network and engage in new collaborations. It addressed various topics such as quantum physics, 2D materials, plasma physics and biophysics. It also featured a Quantum SG session for all the researchers working in any quantum-related field to share their works with the community.

[Read more](#)

UPCOMING EVENTS

STEM Graduate Colloquium “Organic Semiconductor Nanoparticles Restore Vision in Blind Retinas” by Prof Guglielmo Lanzani (Director, Center for Nano Science and Technology, Politecnico di Milano)

15 November 2022 | 4pm, Zoom Webinar

[Register now](#)



MSE-IAS Seminar “For the Stable and Efficient Perovskite Solar Cells” by Prof Nam-Gyu Park (Director, Institute of Energy Science and Technology, Sungkyunkwan University)

13 December 2022 | 3pm, LT3 (North Spine)

Registration opens soon



Lee Kong Chian Distinguished Professor Public lecture “Entanglement, Topological Quantum Matter, and the Second Quantum Revolution” by Nobel Laureate Prof Duncan Haldane

5 January 2023 | 5pm, Tan Chin Tuan LT

Registration opens soon

