



The 2025 Awards Presentation

24 September 2025



Institute of Physics Singapore

The 2025 Awards

recognizing outstanding contributions to the
physics landscape in Singapore through
research, education and outreach at all levels



IPS Award Categories

IPS Council Awards

- IPS President Medal
- IPS Nanotechnology Physics Medal and Prize
- IPS Physics Tech Medal and Prize
- IPS Emerging Investigator Prize

World Scientific Award

- IPS Medal and Prize for Outstanding Physics Research



IPS Award Categories (cont.)

Crescendas Awards

- IPS Physics Education Medal and Prize
 - ✓ for Outstanding Physics Teacher (Junior Colleges)
 - ✓ for Outstanding Physics Teacher (Secondary Schools)
 - ✓ for Outstanding Engineering Physics Teacher (Polytechnics/ITE)
 - ✓ for Outstanding Applied Physics Researcher (Polytechnics)
- IPS Physics Education Research Medal and Prize

Cadi Scientific Award

- IPS Medal and Prize for Public Awareness of Physics



The 2025 Awards Committee



Dario Poletti
SUTD



Johnson Goh
A*STAR-IMRE



Koh Wee Shing
A*STAR-IHPC



Cesare Soci
NTU



Justin Song
NTU



IPS President's Award



**Prof. Christian
Kurtsiefer**

National University of
Singapore & CQT

For his pioneering contributions to quantum physics and relentless service to the physics community in Singapore. As a co-founder of the Centre for Quantum Technologies (CQT), he has driven groundbreaking advances in quantum communication and cryptography while mentoring generations of physicists and entrepreneurs. A pillar of the IPS Council and its past President, he has been instrumental in establishing the annual IPS Meeting and in strengthening the society and its impact on Singapore's physics community.



IPS Physics Tech Prize



Ms. Geok-Suan Tan
National Institute of Education

For her extraordinary dedication and technical excellence in supporting physics education and competitions in Singapore. Over more than 25 years, she has been the backbone of the Singapore Physics Olympiad training programme and a key contributor to the International and Asian Physics Olympiads, ensuring seamless experimental logistics and inspiring generations of students. Her tireless support for academic programmes, teacher training, and research has left a lasting impact on physics education and the community in Singapore.



IPS World Scientific Award



Prof. Yidong Chong
Nanyang Technological University

For his pioneering contributions to theoretical photonics and condensed matter physics. He is internationally recognised for advancing the understanding of topological phases of light and non-Hermitian photonic systems, bridging fundamental physics with new paradigms for optical materials and devices. At NTU, he has nurtured a vibrant research community and mentored young physicists, strengthening Singapore's standing as a global hub for photonics research.



IPS Nanotechnology Physics Award



Asst. Prof. Di Zhu
National University of Singapore
& A*STAR-IMRE

For his outstanding contributions to integrated nanophotonics. He has advanced the design and control of light-matter interactions at the nanoscale, pioneering nanoplasmonics, nanoscale electromagnetics, and nonlinear optics. His research at NUS and A*STAR is opening new directions in thin-film lithium niobate photonics for information processing and next-generation quantum photonic devices.



IPS Cadi Scientific Award for the Public Awareness of Physics



Dr Tan Zhiming, Darren
Ministry of Education

For his inspiring contributions to physics education and outreach. At the Ministry of Education, he advanced physics curricula and resources that made challenging concepts accessible to students. Through initiatives such as *Science Samurai*, *I am a Scientist*, *Get me out of Here!*, and creative public engagement projects, he has sparked curiosity and enthusiasm for physics across Singapore.



Institute of Physics Singapore

Submit your nominations for the IPS Awards!

ipssingapore.org/awards/awards.html

- Nominations are accepted throughout the year
- Each nomination will be kept for 2 years
- Should have done physics related works in Singapore for at least 2 years
- IPS Award recipient will not be awarded again for the subsequent 5 years