



The 2023 Awards Presentation

29 September 2023



Institute of Physics Singapore

The 2023 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 Emerging Investigator Prize
- IPS Physics Tech Medal and Prize

World Scientific Award

- IPS Medal and Prize for Outstanding Physics Research

ARC Sciences Award

- IPS Nanotechnology Physics Medal and Prize



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 2023 Awards Committee



Christian Kurtsiefer
NUS-CQT



Shaffique Adam
YALE-NUS



Koh Wee Shing
A*STAR-IHPC



Dario Poletti
SUTD



Rajdeep Singh Rawat
NIE-NTU



Cesare Soci
NTU



IPS President's Award



For leading Photonics research in Singapore in the past 10 years, with the establishment of the Centre for Disruptive Photonic Technologies and The Photonics Institute at NTU, and for his groundbreaking contributions to nanophotonics research – including the study of fundamental electromagnetic properties of metamaterials, toroidal electrodynamics, and superoscillations.

Prof. Nikolay Zheludev

Nanyang Technological University



IPS Physics Tech Prize



In recognition of his outstanding contributions as a lab technologist in CQT, and for carrying out meticulous electrical and engineering work that lays the groundwork for quantum experiments.

Mr. Imran Mohammed

National University of Singapore



IPS World Scientific Award



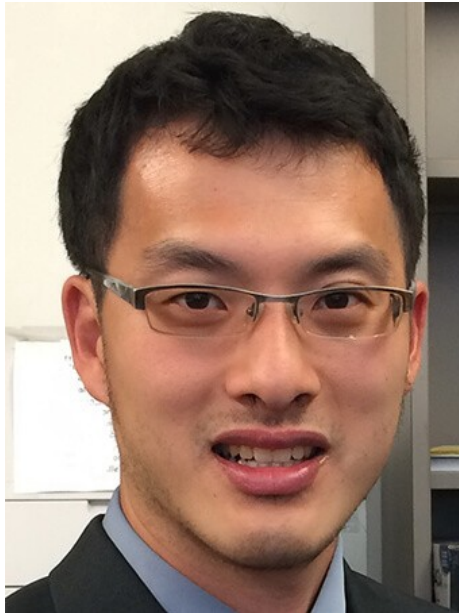
For his remarkable contributions in solid state quantum information and quantum geometry induced effect, particularly for the discovery of room temperature telecom emitters based on GaN and SiC, and the study of the topology of quantum states in 2D materials.

Prof. Gao Weibo

Nanyang Technological University



IPS Nanotechnology Physics Medal and Prize



In recognition of his contributions to theoretical condensed matter physics, including studies of topological electrical circuits and non-Hermitian skin effects.

Asst. Prof. Lee Ching-Hua
National University of Singapore



IPS Cadi Scientific Award for the Public Awareness of Physics



For his three-decade countless contributions in Singapore to raise the public awareness and interest in Physics and Astronomy, through leadership, education and service.

Assoc Professor Chan
Aik Hui, Phil
National University of Singapore



IPS Crescendas Medal and Prize for Outstanding Physics Teacher (Junior Colleges)



Mr. Ngiam Song Wee
Eunoia Junior College

In recognition of his remarkable dedication to revolutionizing physics education at Eunoia Junior College by employing captivating video demonstrations and animations, as well as his fervent commitment to making physics education both meaningful and enjoyable.



IPS Crescendas Medal and Prize for Outstanding Physics Teacher (Secondary Schools)



Mrs. Elaine Lui

Anglo-Chinese School (Independent)

In recognition of her exceptional contributions to establishing a STEM coursework platform within Anglo-Chinese School (Independent), and the development of diverse teaching and learning tools for Lower Secondary Science, including the integration of electronics, micro-controllers, and 3D printing into practical tasks.



IPS Crescendas Medal and Prize for Outstanding Applied Physics Researcher (Polytechnics)



In recognition of her innovative projects and initiatives in the fields of biosensors, microfluidics, and flexible & wearable sensors, and for enabling the success of numerous products for small and medium-sized enterprises.

Dr. Sun LingLing
School of Engineering,
Temasek Polytechnic



IPS Crescendas Medal and Prize for Outstanding Engineering Physics Teacher (Polytechnics/ITE)



Mr. Ng Chong Chuan, Alvin

School of Maths and Science,
Singapore Polytechnic

For leading the school's physics team in various projects, such as the development of the Physics Learning Analytics Networked Tutoring System (ANTS), for his contribution in revising physics curricula, including flipped classroom and Predict-Observe-Explain pedagogy, and for adopting innovative teaching methods.



Institute of Physics Singapore

Submit your nominations for the 2024 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