



2017 IPS Awards presentation

8 March 2018



Institute of Physics Singapore

The 2017 Awards

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



Crescendas Medal and Prize for **Outstanding Physics Teacher (Junior College) 2017**



For developing courses for outstanding physics students, and long-time contributions to the training of the Singapore Physics Olympiad teams.

Mr. Bernard
Ricardo Widjaja
NUS High School for
Mathematics & Science



Crescendas Medal and Prize for **Outstanding Physics Teacher** **(Secondary Schools) 2017**



For developing the innovative web site “The Physics Grove”, compiling teaching videos for students and sharing it as a resource, greatly simplifying a flipped classroom approach for the challenging physics education at the secondary school level.

Mr. Ho Xinping,
Jonathan
Hillgrove Secondary
School



Crescendas Medal and Prize for **Outstanding Engineering Physics Teacher (Poly/ITE) 2017**



Mr. Chew Yong Hui
ITE College West

For his great passion in Physics and Engineering, his commitment to the advance Green and Smart innovation culture in ITE, and pushing for several clean energy projects with student teams, helping them to explore technological paths into a clean energy future.



Crescendas Medal and Prize for **Outstanding Applied Physics Researcher (Polytech) 2017**



**Dr. Samson Chang
Shion Seng**
ITE College West

For introducing many innovative projects and initiatives at the Technology Development Centre, like fish counting systems, a novel actuator on a hands-free electrolarynx project, and a significantly improved Chemical-On-Demand analyzer and many more.



Cadi Scientific Medal and Prize for **The Public Awareness of Physics 2017**



**Dr. Cindy Ng
Shao Chin**
National University
of Singapore



**Dr. Abel Yang
Jiahui**
National University
of Singapore

For their team effort in establishing a lasting astronomy presence to a wide audience in Singapore, a strong presence on local public media on astrophysical topics, and organizing public astronomy events for very large audiences.



IPS Nanotechnology Physics Medal 2017



For her contributions to advanced nanotechnology, particularly engineering of low-dimensional nanomaterials with a wide area of applications ranging from efficient energy storage to scalable water desalination and purification.

A/Prof. Yang Hui Ying

Singapore University of
Technology and Design



IPS World Scientific Award 2017



For his theoretical and computational work contributing to the non-equilibrium Green's function method for energy transport, particularly on thermal transport in nanostructures.

Prof. Wang Jian-Sheng
National University of Singapore



Institute of Physics Singapore President's Award 2017



Prof. Feng Yuan Ping
National University of Singapore

For pioneering computational material physics in Singapore, and shaping the research profile of the Physics at NUS as head of Department for many years, and crucial contributions to the Materials Research Society in Singapore with a reach far beyond Singapore.