

IPS CRESCENDAS AWARD FOR OUTSTANDING SECONDARY SCHOOL PHYSICS TEACHER



MR. TAN CHONG CHAY

- **HONG KAH SECONDARY SCHOOL**
- Outstanding physics teacher who uses Facebook innovatively to teach physics to secondary school students.
- His creative physics pedagogy includes using flipped classroom methods.



IPS CRESCENDAS AWARD FOR OUTSTANDING JUNIOR COLLEGE PHYSICS TEACHER



MR. SZE GUAN KHENG

- **RAFFLES INSTITUTION**
- Outstanding Physics Teacher and one of his greatest contributions lies in the area of talent development. He is also the key driver of RI's involvement in the Physics Olympiads and the Singapore Young Physics Tournament (SYPT).



IPS CRESCENDAS AWARD FOR OUTSTANDING POLYTECHNIC PHYSICS LECTURER

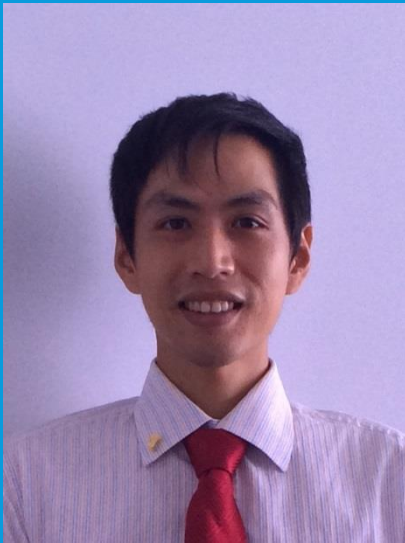


DR. RANDALL CHA

- **Temasek Polytechnic (TP), School of Engineering**
- An outstanding Applied Physics Lecturer who is instrumental in the designing, development and implementation of the engineering Physics curriculum which is now used as a year one compulsory core subject for 12 Engineering Diploma courses at Temasek Polytechnic.



IPS CRESCENDAS AWARD FOR OUTSTANDING POLYTECHNIC PHYSICS LECTURER



MR. JEREMY CHONG

- **Nanyang Polytechnic (NYP),
School of Engineering**
- An outstanding and very well-respected Engineering Physics, Mathematics and Astronomy Lecturer at Nanyang Polytechnic.
- Pioneered the use of FIZZ method of one-take videos for the delivery of an applied physics module to Diploma students in Telematics and Media Technology Diploma.



IPS CRESCENDAS AWARD FOR OUTSTANDING ITE PHYSICS LECTURER



MR. TAY KHEE WEE

- **ITE : Institute of Technical Education, College West**
- Outstanding Senior Technologist at the Institute of Technical Education.
- An exceptional Lecturer who is recognized for his commitment to continuously engage students through creative, innovative and practical ways of delivering physics concepts using customized applications. This stimulates curiosity and independent learning.



IPS CADI SCIENTIFIC AWARD (GROUP) FOR PUBLIC AWARENESS OF PHYSICS



**MR. SOH KIM MUN,
MR. ANG POON SENG,
MR. ALBERT HO, MR ALBERT LIM,**



- **TASOS : THE ASTRONOMY SOCIETY OF SINGAPORE**
- Founding members of the Amateur Astronomical Society
- They have each served for more than two decades and helped Singaporeans catch glimpses of the heavens
- Outstanding effort in promoting Physics in Singapore and Asia through publication of the book : "Photographic Atlas of the Moon".

IPS CADI SCIENTIFIC (INDIVIDUAL) AWARD FOR PUBLIC AWARENESS OF PHYSICS



MR. REMUS CHUA



- **Navagis Asia Pacific Pte Ltd**
- Project Director, Navagis Asia Pacific Pte Ltd.
- Outstanding and well known astro-photographer *par excellence* in promoting Physics in Singapore and Asia.
- Founder of the two famous SingAstro Forums and attractive Celestialportraits websites.
- Specially invited by the British Astronomical Society to speak on his astronomy activities in the U.K.

IPS NANOTECHNOLOGY AWARD



ASSOC PROF XIONG QIHUA

- **NANYANG TECHNOLOGICAL UNIVERSITY, NTU**
- Outstanding research in understanding the optical properties of emergent nanomaterials and hetero-structures by optical spectroscopy.
- Uncovered the dynamics of excitons, new phonon modes and confined phonon states in semiconductor Nanstructures and 2D layered Vander waals solids.



IPS NANOTECHNOLOGY AWARD

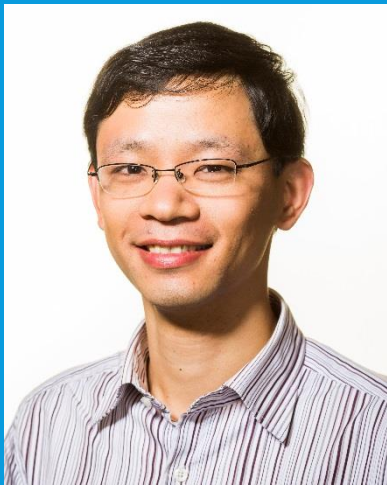


ASSOC PROF FAN HONGJIN

- **NANYANG TECHNOLOGICAL UNIVERSITY, NTU**
- Outstanding research in atomic layer deposition in energy research towards high-rate and ultra-stable supercapacitors.
- Served in several editorial boards, namely Nanotechnology, Advanced Science, Advanced Materials, Interface and Material Research Bulletin



IPS WORLD SCIENTIFIC AWARD



ASST. PROF. ZHANG BAILE

- **NANYANG TECHNOLOGICAL UNIVERSITY, NTU**
- Outstanding research in developing the invisible cloaking technology.
- First to propose acoustic topological insulator.
- He clarified a few major controversies in mathematics and physics.



SPECIAL INST. OF PHYSICS, S'PORE AWARD



ADJ. ASSOC. PROF. JAMES LEE



- **NATIONAL UNIVERSITY OF SINGAPORE, NUS AND NATIONAL CANCER CENTER**
- Although trained in Monte Carlo molecular dynamics simulation, he went on to a very distinguished career in the hospital.
- He is the Chief Radiation Physicist at the National Cancer Center in Singapore General Hospital.
- He pioneered and successfully implemented Intensity Modulated Radiotherapy or IMRT at the National Cancer Center which provides key Radiotherapy treatment in Singapore.

INST. OF PHYSICS, S'PORE PRESIDENT'S AWARD

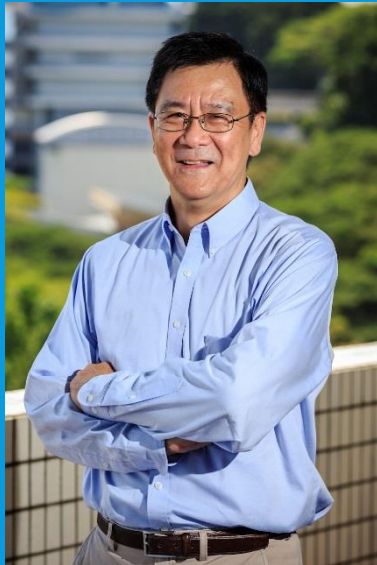


PROF. ALFRED HUAN

- **NANYANG TECHNOLOGICAL UNIVERSITY, NTU**
- Highly sought-after Professor in NTU. An expert in Surface Science and Epitaxial thin films.
- Has also served as Deputy Head of NUS Physics department and Head of Division of Physics and Applied Physics in NTU.
- Currently Executive Director of AStar Graduate Academy and Institute of High Performance Computing.



INST. OF PHYSICS, S'PORE PRESIDENT'S AWARD



PROF. LAI CHOY HENG

- **NATIONAL UNIVERSITY OF SINGAPORE, NUS**
- Another highly sought-after Professor, a gifted physics teacher and outstanding leader.
- Amongst numerous portfolios, he served as NUS Vice President and Vice Provost. Received Public Administration Medal from the Singapore Government in 2003.
- Made fundamental contributions to many high-level decisions that has raised NUS to become one of the top leading Universities in Asia.



DISTINGUISHED INST. OF PHYSICS, S'PORE HONORARY FELLOWSHIP AWARD



PROF. CHANG NGEЕ PONG

- **CITY COLLEGE OF THE UNIVERSITY OF NEW YORK**
- Outstanding Physics Lecturer and Nanyang Professor at NTU.
- Outstanding contributions to High Energy Particle Physics Research and University Physics Education in Singapore for more than 30 years.

