XIAMEN UNIVERSITY MALAYSIA 厦門大學馬來西亞分校



PROFILE

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RESEARCH INTERESTS

Nano-photonics Neural Physics Urban Science

PHYSICS IN THE 21ST CENTURY

ABSTRACT

The marvels of the 21st century – digital technology, internet-of-things, 4th industrial revolution, space exploration, etc. - were built on the bedrock of 20th century physics. While physics is certainly the main driver of our modern society today, its role as the pursuit of "truth and knowledge" is unfortunately being relegated to the backseat, as society places more emphasis on applications of physics in technology, popularizing fields-ofstudy such as engineering and ICT. In this talk, I will extend some insights on the role of physics in the 21st century as a transdisciplinary subject that permeates all fields-of-study at all levels. As the standing of the traditional physicist wanes, it is taken over by the modern physics practitioner that imbues knowledge into multidisciplinary fields like biology, psychology, medicine, ICT, economics and finance, sociology and beyond. The primary role of a physics practitioner is hence the innovator, the communicator, as well as the creator of new knowledge to surpass the limits of technology that we know of today. Finally, I will also highlight the vision and mission of our XMUM Bachelor of Science in Physics programme to nurture the modern physics practitioner, and its unique features that are inspired from undergraduate physics programmes from renowned international universities.

DATE AND TIME

26 May 2022, 10:00-11:00

VENUE

A4#G06

LINK

https://bit.ly/APHO-publictalk

22nd Asian Physics Olympiad Public talk

