**111學年度第2學期通識講座 英文摘要**

講次 :第6講

講題：量子與太極：以概念敘述難以理解的量子並述古哲易數智慧

講者：傅昭銘副校長

時間：112/04/14(五)10:20~12:00

地點：湖畔講堂

Today’s speaker, Professor Fu Zhaoming, is a physicist. He works as a professor at National Taiwan University and as vice principal at Fo Guang University. He has a wide range of research interests, including physics education, nano-magnetic biomedicine, and high-frequency impedance physical properties.

Today’s topic was "The Relationship between Quantum Mechanics and Tai Chi in Physics." Professor Fu shared his precious knowledge and experience with an aim to demystify this subject by pointing out its significance in modern science and its ability to explain peculiar phenomena in the microscopic realm.

Professor Fu raised up questions concerning quantum mechanics to check the audience’s understanding in the very beginning. After that, he introduced the basic concepts of classical mechanics, such as Newton's theorem, to the audience and then clarifies the fundamentals.

Professor Fu emphasized the significance of "Tai Chi" and its similarities with quantum mechanics, highlighting their shared philosophical aspects such as the interdependence of *Yin* and *Yang*. Overall, a profound relationship exists between Tai Chi and quantum mechanics at conceptual, philosophical, and mathematical levels. Professor Fu’s charismatic speech turned the complicated issue into exciting discussions that inspired the audience’s insights.