



THE HONG KONG
POLYTECHNIC UNIVERSITY

DEPARTMENT OF
BUILDING SERVICES ENGINEERING



- Free Admission -

C P D L E C T U R E

**Ancient mathematical problems,
with recent explicit solutions, and
its applications to the
understanding in modern sciences,
and the principle of biological lives**

D a t e

3 June 2019 (Mon)

T i m e

7:00 – 8:00 pm (Registration: 6:45 pm)

V e n u e

Room Z406
The Hong Kong Polytechnic University

Organized by

Professor W.K. Chow JP FHKEng
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principle of biological lives**]

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SPEAKER

PROFESSOR K.W. WONG

Professor Emeritus
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Abstract

Human is the only creature that continuously seek to expand its knowledge through 2 completely seemingly non-reconcilable conscious approaches all through its history of existence on earth. The first is to believe through Faith that there is a purpose of its existence in life. This drive through faith pushed human to form religions and thus leads to the believe in a Creator. All such religions require a complete faith. Equally, human increase its knowledge through observation of his surrounding, leading to the space-time concept and through constant experimentations, the formation of logical mathematics. Such mathematics, can be roughly divided into 2 classes. The first is geometry and trigonometry that is derived from forms, which evolved into topology and group theories based entirely on observation of structures in his environment. This branch of mathematics, led human to create practical structures for shelter and tools to advance human survival. The equally parallel branch is on developing record of what he has done, which is the basis for creating arithmetic, arts, languages and algebra. Today's seminar is to discuss that through the recent advances in the actual solutions to a couple of historical mathematical questions that the seemingly non-reconcilable human approaches to increase knowledge actually merge into the same result, that then justifies human's faith in his suppose of existence and would firmly establishes a standard of morality. In fact, unexpectedly this also expands human's knowledge through observation astronomy through the space-time topological mapping mathematics the understanding on how the universe structures such as stars and planets were formed but also the establishment of the knowledge in biology led to our medical sciences and ultimately ending with the knowledge on the Life creation itself.