

FREE Talk on "How does TCM work?" (brought to you by IEEE Singapore Computer Chapter)

How have you been doing? We hope that this talk announcement finds you in the pink of health.

As a part of the IEEE Singapore Computer Chapter's effort in bringing non-technical but essential matters, such as our health, to our professional members, we would like to present to you a very interesting and informative talk in the month of November 2009.

How does TCM work? *From the modern scientific perspective*

Date/Time: 6 November 2009 (Friday) @ 7:00pm

Venue: Ngee Ann Polytechnics
Block 23, Level 2 'Watts-up' conference room (see map below)

Fee: Free-of-charge, Registration is required.

Registration starts at 6:30pm.

Light refreshments (finger-food and drinks) will be served before the talk.

Interested members kindly register by emailing your name, member number, contactable handphone number, and number of guests to calvin@cczy.org before **23 October 2009**. Only limited seats are available on a first-come-first-served basis.

About the Speaker:

Dr. Cheng Sim Kim *B.D.S(Singapore), M.Med TCM (Nanjing)*,
is a practising dentist, and of the practising senior TCM consultants in Singapore Chung Hwa Medical Institution.

Dr. Cheng graduated with Bachelor of Dentistry in 1972 from University of Singapore. While running his own private dental practice, he completed the study of Traditional Chinese Medicine in Singapore College of TCM and graduated with Diploma of TCM. He subsequently went on to pursue his interest in China and obtained Master of Science (TCM) from Nanjing University of TCM in 2004. Dr. Cheng is currently the principal of Singapore College of TCM.

Abstract of Talk:

TCM stands for Traditional Chinese Medicine, and it has been practised for more than 3000 years. It is the mainstream medical system in China that not only sustains the Chinese population but also helps its proliferation into one-quarter of the world's population. In spite of the lack of scientific equipment and detailed knowledge of the human body at cellular level, TCM has

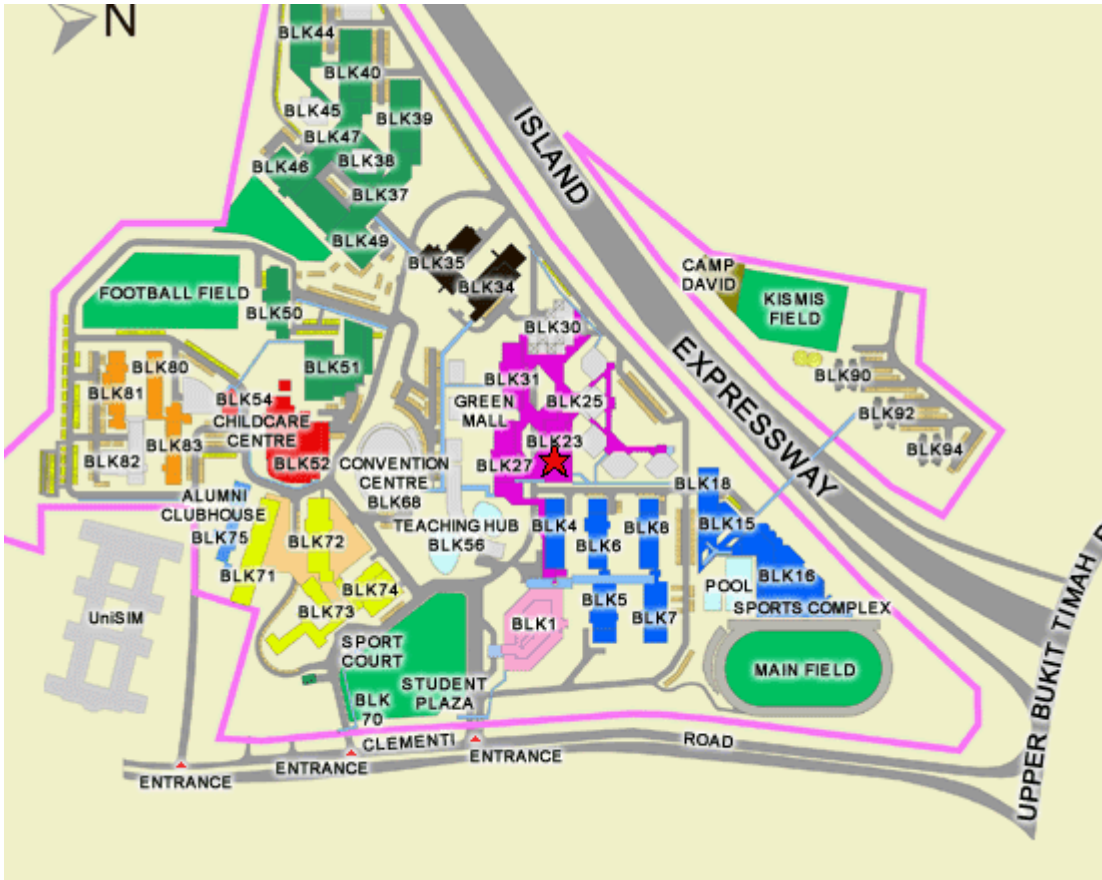
treated diseases and maintained health throughout history. The understanding of the methodology and mechanism of TCM can be facilitated by analyzing it from the modern scientific perspective.

The modern scientific theories developed in the later part of last century include system theory, information theory, cybernetics and synergetics. TCM shares the holistic world view of system theory which sees the human body and the external environment as one large complex system. The human body itself is a large open complex system which behaves like a dissipative structure that constantly exchanging materials, energy, and information with the surrounding environment. TCM holds that the human body is composed of various functional subsystems which coordinate harmoniously together to sustain life activities. The understanding of physiology and pathology is mainly based on the observation of the function and behavior or, in other words, the output information gathered from the living persons. The relationships between input information (e.g. type of food or medicine intake & changes of the external environment, etc.) and the output information (behavior, appearance and function, etc.) are studied and classified into various patterns which formed the basis for taxonomy. Treatment is through modulating the input to obtain the desirable output. The ultimate goal is to restore the harmonious relationships among the various systems.

The common core of these modern scientific theories and TCM is the emphasis of system functions rather than structural details. The shift of scientific paradigm from reductionism to system thinking has aligned TCM closer to the modern science than ever.

See you there. Thanks.

Cheers,
THAM Jo Yew
(on behalf of IEEE Singapore Computer Chapter)
http://www.ewh.ieee.org/r10/singapore/new_page_16.htm



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