

UNIVERSITY OF MACAU
FACULTY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

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**SMACT Technologies for Innovative Social, Mobile,
Analytics, Cloud, and IoT Applications**

by

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Date : 19 March 2015 (Thursday)
Time : 11:00 – 12:00
Venue : E4-G051

ABSTRACT

The abbreviated term “SMACT” stands for Social, Mobile, Analytics, Clouds and the Internet of Things (IoT). These are enabling technologies for advancing information technology and Internet evolution. In this talk, Prof. Hwang offers an up-to-date coverage of these cutting-edge technologies. He will update the progress of SMACT for researchers and professionals who are eager to explore new and emerging technologies. The ultimate goal is to create innovative and opportunist applications of social, mobile, clouds, big data and IoT devices or systems. These apps are widely open in our daily life and offer great opportunities for R/D and business challenges. The talk covers hardware advances, software supports, new technologies, and innovative apps of smartphones, tablet computers, datacenters, social networks, Internet clouds, sensors/GPS and IoT systems with an insightful and integrated approach.

BIOGRAPHY



Kai Hwang is a Professor of EE/CS at the University of Southern California (USC). He is also an EMC-endowed visiting Chair Professor at Tsinghua University. He received the Ph.D. from University of California, Berkeley in 1972. He has published 8 books and over 240 scientific papers in computer architecture, parallel processing, distributed systems, cloud computing and network security. His books have been adopted worldwide and translated into 5 languages. Google Scholars cited his work 14,000+ times with an h-index of 51. His latest book: Distributed and Cloud Computing was awarded by American Library Association as one of the best academic titles published in 2012. Dr. Hwang is a Life Fellow of IEEE Computer Society. He received the very-first Outstanding Achievement Award from China Computer Federation in 2004 and

the Lifetime Achievement Award from IEEE Cloud2012 for his pioneering work in parallel computing and distributed systems. Hwang has performed advisory, consulting and collaborative work for IBM, Intel, MIT Lincoln Lab, JPL at Caltech, ETL in Japan, Academia Sinica in China, GMD in Germany, and INRIA in France.

ALL ARE WELCOME!