<u>**Advanced Analytics Seminar Series on 02/02/2012**</u>

Seminar Title: Challenges and Opportunities of Internet of Things
Speaker: Dr. Yen-Kuang Chen, Intel Corporation, Taiwan
Date and Time: 1:30pm to 3:00pm, the 2nd of February 2012 (Thursday)
Seminar Room: CC05.GD.02, UTS Blackfriars Campus (5 minutes walk from Tower Building CB01 of UTS)
Street Address: 2-12, Blackfriars Street, Chippendale, NSW 2008
Seminar Chairman: A/Prof Jian Zhang (jian.zhang@uts.edu.au)

Abstract: To date, most Internet applications focus on providing information, interaction, and entertainment for humans.   However, with the widespread deployment of networked, intelligent sensor technologies, an Internet of Things (IoT) is steadily evolving, much like the Internet decades ago. In the future, hundreds of billions of smart sensors and devices will interact with one another without human intervention, on a Machine-to-Machine (M2M) basis. They will generate an enormous amount of data at an unprecedented scale and resolution, providing humans with information and control of events and objects even in remote physical environments. The scale of the M2M Internet will be several orders of magnitude larger than the existing Internet, posing serious research challenges. This talk will provide an overview of challenges and opportunities presented by this new paradigm.

Short biography of the speaker: Yen-Kuang Chen is a Principal Engineer at Intel Corporation, and Associate Director of Intel-NTU Connected Context Computing Center. He received his Ph.D. degree from Princeton University. He has 25+ US patents, 25+ pending patent applications, and 85+ technical publications. He is one of the key contributors to Supplemental Streaming SIMD Extension 3 (SSSE3) and Advanced Vector Extension (AVX) in Intel® Core™ processor family. He has served as an editorial board member of 5+ journals and a program committee member of 40+ international conferences, on multimedia, video compression/communication, image/signal processing, VLSI circuits and systems, parallel processing, and software optimization. He is a Fellow of the IEEE.

Overview to This Seminar Series: The Advanced Analytics Seminar Series presents the latest theoretical advancement and empirical experience in a broad range of interdisciplinary and business-oriented analytics fields. It covers topics related to data mining, machine learning, statistics, bioinformatics, behavior informatics, marketing analytics and multimedia analytics. It also provides a platform for the showcase of commercial products in ubiquitous advanced analytics. Speakers are invited from both academia and industry.

It opens regularly on every Friday afternoon at the garden-like UTS Blackfriars Campus. Each seminar is followed by a 30-minute afternoon tea, and then an open graduate study session teaching basic components in artificial intelligence, machine

learning, data mining, business analytics and statistics.

You are warmly welcome to attend this seminar series.

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