Advanced Analytics Seminar Series on 25/11/2011

Seminar Title: From Internet of Things to Cyber-physical Society: Applications and Data Mining Challenges

Speaker: Dr. Bin Shen, Visiting Professor, Advanced Analytics Institute, UTS

Date and Time: 1:30pm to 3:00pm, 25th November 2011 (Friday)
Seminar Room: CB10.02.320, UTS City Campus
Street Address: 235, Jones Street, Broadway, NSW 2007

Abstract: Internet of things (IoT) is a new and promising technology, and is regarded as the next generation of Internet. The basic idea of IoT is to connect various smart things, such as smart dust, ubiquitous sensor devices, smart objects with RFID tags, Cyber-Physical Systems, Global Positioning Systems, cameras and so on with each other. IoT will make our city smarter, and will change people's daily lives and business models as much as or possibly more than today's Internet. Most importantly, the world will evolve into the Cyber-Physical Society (CPS), which contains cyber space, physical space, humans and their complex interactions. In this talk, I will introduce the future scenarios of Smart City and the vision of Cyber-physical Society. Various applications of IoT, such as smart supermarket, smart electric grid etc., will be presented.   And then, the topic of mining IoT and Cyber-Physical Society will be raised. I will illustrate several examples of IoT mining and CPS mining, and discuss challenges and possible research directions of IoT mining and CPS mining.

Short biography of speaker: Bin Shen obtained his bachelor degree of engineering and Ph.D. degree of engineering from Zhejiang University, China, in 2002 and 2007 respectively. Now he is an associate professor of Ningbo Institute of Technology, Zhejiang University.   His research interests include management issues of Internet of things, and data mining.

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 a 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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