

Advanced Analytics Seminar Series on 18/11/2011

Title: Augmented reality and its practical application

Speakers: Professor Bruce H. Thomas and Dr. Ivan Lee, University of South Australia

Date and Time: 1:30pm to 3:00pm, 18th November 2011 (Friday)

Seminar Room: CC05.GD.02, Building 5 of UTS Blackfriars Campus (5 minutes walk from Tower Building CB01 of UTS)

Street Address: 2-12 Blackfriars St, Chippendale, NSW 2008

Abstract: Augmented reality is the process of overlaying registered virtual graphical information over a user's view of the physical world at real-time, assimilating extended information and media with the actual world around users. Together with human interface technologies using advanced wearable computers and HCI devices, augmented reality can be applied in medicine, search and rescue, entertainment, manufacturing. In this talk, we'll present an overview of research projects at the Wearable Computer Lab at University of South Australia. We'll present an example of adopting spatial augmented reality for industrial applications, to improve the productivity of spot welding inspection for automobile manufacturing.

Short biographies of the speakers: Professor Bruce H. Thomas is the Deputy Director of the Advanced Computing Research Centre and Director of the Wearable Computer Lab at the University of South Australia. He is nationally and internationally recognised for his contributions to the scientific community and to industry in the areas wearable computers, tabletop interactions, augmented reality and user interaction. He is the inventor of the first outdoor augmented reality game, ARQuake, and is currently a NICTA (National ICT Australia) Fellow.

Dr. Ivan Lee received BEng (Hons), MCom, MER, and PhD degrees from the University of Sydney, Australia. He is a senior lecturer at University of South Australia since 2008. Prior to this appointment, he had been a development engineer at Cisco Systems, a software engineer at Remotek Corporation, an assistant professor at Ryerson University. He was a visiting scholar at Peking University in 2011. His research interests include multimedia signal processing and multimedia communication.

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.

Jinyan Li, Seminar Coordinator

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