

The Hong Kong University of Science and Technology
Department of Information Systems,
Business Statistics and Operations Management

Seminar Announcement

*Identifying the Ideal Fit between Mobile Work
and Mobile Work Support*

by

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Date: Wednesday, 28 April 2010

Time: 2:30 pm

Venue: Room 4379, ISOM Conference Room (Lift 17/18)

~~~~~ All interested are welcome ~~~~~

**Abstract:** The rapid growth in the use of wireless communication and portable devices has created a potential for a variety of mobile work support. However, few studies have explored the nature of mobile work, examined the needs for its support, and identified the appropriate support for various kinds of work in mobile contexts. In our study, a mobile task model was proposed and tested, including three dimensions: mobility, location dependency, and time criticality. Four context-related mobile work support functions were examined: location tracking, navigation, notification, and online job dispatching. In the light of task-technology fit theory and attitude/behavioural theory, we proposed a research model for the fit between task characteristics and the four mobile work support functions. The ideal fit was analyzed on the basis of empirical data collected from a sample of mobile knowledge and field workers. Our study resulted in a theoretical contribution to task/technology fit theory in the context of mobile work support, and suggested guidelines for the development and use of mobile work support systems.

**Biography:** Dr. Yufei Yuan is a Professor of Information Systems at DeGroote School of Business, McMaster University, Canada. He received his Ph.D. in Computer Information Systems from The University of Michigan in U.S. and B.S. in Mathematics from Fudan University in China. His research interests are in the areas of mobile commerce, emergency response systems, web-based negotiation support systems, security and privacy, business model of electronic commerce, fuzzy logic and expert systems, matching problem, and information systems in health care. Dr. Yuan has published 70 papers in many high quality journals such as *Journal of MIS*, *Communications of the ACM*, *IEEE Security and Privacy*, *International Journal of Mobile Communications*, *Group Decision and Negotiation*, *Decision Support Systems*, *Information & Management*, *Fuzzy Sets and Systems*, *International Journal of Human-Computer Studies*, *European Journal of Operational Research*, *Decision Sciences*, *Management Sciences* and others. Dr. Yuan has been actively involved in many professional organizations. He served as Conference Chair for *ICMB 2007 (International Conference on Mobile Business)* and Program Co-Chair for *AMCIS 2008 (Americas Conference on Information Systems)*. He also served as a Guest Editor for a special issue of *International Journal of Mobile Communications* and a Guest Co-Editor for a special issue of *Group Decision and Negotiation*. He is the Editorial Board Member of *IJMC (International Journal of Mobile Communications)* and others. Dr. Yuan was appointed as Wayne C. Fox Chair in Business Innovation in 2002-2008 and his name is listed in *Who's Who in Canada*.