### School of Information Systems, Technology & Management

**Proposed Honours Topics and Supervisors - 2007.**

As at 16 October 2006

Subject to change; you will need to discuss with the staff concerned.

| Dr. AYBÜKE AURUM (on leave S2 2006) | • Value-based Software Development in Organizations (multiple topics).  
• Knowledge Management Practice in Software Companies in Australia.  
• Decision Making Process in Software Development.  
• Requirement Engineering Practice in Australian organizations -- for Complex Systems, or web-based systems (multiple topics).  
• Creativity in Software Development and/or Requirements Engineering. (multiple topics).  
• Evolvement of Instant Messaging Technology in Organizations.  
• Other topics related to Value-based Approaches, Decision Making, and Project Management. |
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| Dr. DEBORAH BUNKER | • Information Systems As Tools in Context: Technology Transfer and Diffusion Issues in Systems Implementations.  
• A Perspectival Model for Information Systems Management: Phenomenology as a Means on Understanding.  
• The Marketplace as a Social Space: The Uptake and Use of Electronic Grocery Systems (EGS) in the Global Marketplace.  
• Electronic Commerce and SMEs: Are Current Ecommerce Business Models Appropriate for the Successful Adoption of Ecommerce by SMEs.  
• Electronic Commerce Procurement Models: Industry Differences and Their Implications.  
• The Management of Inter-organisational Information and Systems Requirements. |
| Dr. FLETCHER COLE (on leave S1 2007) | • Analysis and exploitation of textual news feed.  
• Data management practices in specific organizations.  
• Taxonomy and classification theory.  
• Topics in social informatics.  
• User and systems issues related to the representation of complex data; e.g. geographic information systems.  
• Other topics – as agreed. |
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<th>Name</th>
<th>Research Areas</th>
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| Prof. Dubravka Cecez-Kecmanovic | - Organisational and Social Implications of IS: Creating Value through IS  
- IS Impacts on Company Competitive Advantage  
- Critical Theory Informed Empirical Research (there is a possibility to conduct an empirical study in UNSW)  
- Exploring Knowledge and Learning, Knowledge Management and Knowledge Management Systems (KMS) in Organizations through: Application of the Sensemaking AND/OR Theory Autopoietic Approach  
- Designing and Testing IS Technologies to Support Public Communication and Debate (intra and inter-organisational, Professional Associations, Local Councils, etc.) |
| Dr. Geoff Dick (on leave S1 2007) | - Telecommuting.  
- Online Education.  
- Others as agreed. |
| Dr. Zixiu Guo | - Computer-Mediated Communication (CMC) studies.  
- Cross-cultural study of IT (IS).  
- ERP implementation.  
- Virtual Teams Studies. |
| Dr. Lesley Land (on leave S2 2007) | - Use/adopter of online news, virtual communities, or other ISs.  
- Knowledge management in organizational context.  
- Software quality development practices - case studies or experimentation.  
- E-health adoption for developing countries (WHO project)  
- Others - by mutual agreement. |
| Prof. Graham Low (on leave S2 2006) | - Design of agent oriented information systems.  
- Method engineering.  
- Use of ontologies in agent oriented information systems.  
- Innovation and adoption of information systems.  
- Management of information systems development and/or operations. |
| Assoc. Prof. Fethi Rabhi | - Large scale analysis of news data  
- Simulation of financial markets  
- Business to Business Integration using EDI. |
| Dr. Greg Stephens (on leave S2 2007) | - Application of Socio-network Analysis to the Partitioning and Allocation in Distributed Systems (with G Low).  
- Authentication mechanisms e.g. Biometrics (with R. Jamieson).  
- Computer Mediated Communication. |
| Ms Christine Van Toorn / Prof. John D’Ambra | - E-mail and organisational productivity. |