

**Centre for Organisational and Social Informatics
(COSI)**

Annual report

2007

Overview

Director: Professor Sue McKemmish

Deputy Director: Associate Professor Julie Fisher

The Centre for Organisational and Social Informatics (COSI) was formally approved as a Faculty Centre by Academic Board in late 2006. In September 2007 COSI was officially launched by the Deputy Vice Chancellor Research Professor Edwina Cornish. COSI grew out of the Enterprise Information Research Group and brings together researchers from a range of research groups from across the Faculty of IT including colleagues and researchers from South Africa.

COSI aims to contribute to the development of individuals, organisations, and society through research on human-centred design and deployment of information and communication technologies (ICT). COSI focuses on understanding the people and organisational dimensions, the complexities and needs of the social networks that ICT serves, in order to optimise its social, cultural and economic benefits.

The Centre brings together researchers who work in knowledge management, information technology management, information systems development, archival systems, e-commerce and m-commerce, community networking, librarianship, and computing education. It provides a focus for interdisciplinary collaboration with national and international researchers, industry and community research partners and other stakeholders

This is the first formal report of COSI and documents the activities and achievements for 2007. From the time of formal approval to the end of 2007 we have been engaged in a range of activities relating to the shaping of the Centre and setting COSI's future directions.

We have had a busy and productive year as can be seen in this report and we take the opportunity to thank our lead researchers, our research members, our students and our Advisory Board for their contribution throughout 2007.

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Summary of the year

During 2007 members of COSI were involved in a range of activities. The highlight of the year however was the launch of COSI. Professor Edwina Cornish (DVC) officially launched COSI on September 11, 2007.



Professor Edwina Cornish, Deputy Vice Cancellor Research launching COSI

A forum, Working Together with Communities was held before the launch. The purpose of the forum was to ask a panel of representatives from different communities to reflect on their experience of community-centred research and lead a discussion of issues relating to:

- Community research frameworks and traditions - different ways of knowing
- Participatory models of research agenda setting and governance - who decides?
- Building research partnerships with communities - shifting paradigms: from community research subjects to community research partners
- Negotiating mutual rights in research data - ownership, privacy, copyright, access, IP
- Protocols and ethics - What constitutes ethical community research? How might communities be better engaged with university ethics regimes?
- The transformative nature of community-centred research.

Emeritus Professor Don Schauder, introduced the panel. The members of the panel were:

- Professor Lynette Russell Monash University Director, Centre for Australian Indigenous Studies
- Ms Rosetta Manaszewicz Breast Cancer Action Group
- Ms Michelle Beveridge Victorian ICT for Women Network Board, Board Member of Queen Victoria Hospital

The launch gave us an opportunity to celebrate the newly appointed Emeritus Professor Don Schauder.

The Jean Whyte Fund was launched. The Fund supports research in librarianship and archives and is sponsored by a bequest from Jean Whyte who was the foundation Professor of Librarianship at Monash.



Other important activities through 2007 included a one-day workshop where a strategic plan was developed for the next three years and a statement of values to reflect how COSI members will operate. Both are included in this report.

The Advisory Board was established with representatives from the community, industry and academia.

Overview of 2007 Achievements

Members of COSI were successful in obtaining in excess of \$1,200,000 in research funding during 2007 including an ARC Linkage, a Beyond Blue grant, a private bequest and two Carrick grants.

In addition COSI researchers were very productive with:

- 15 Journal publications
- 5 Book Chapters
- 20 Conference papers
- 5 Edited books/journals.



COSI Values Statement

Our aim is to become the world's leading centres in organisational and social informatics and we express this aim through our values.

Overarching values statement

Researchers and research conducted within COSI is undertaken with an understanding that information and communications technologies are inherently socio-technical and contextual. We cannot therefore know how to successfully use, develop or implement ICTs unless we engage with the complexities of people and their organisational dimensions. This foundational understanding not only describes COSI's disciplinary *domain*, but also influences COSI's *approach* to research

Domain specific values

Our research is usually located in a social context – an organisation or work group, a community of practice, identity or place. Therefore we value research grounded in *consultation* with our community partners including research aims, methods and judged to meet community values and their needs and participate in research initiated by communities. We therefore, research *with*, rather than *for* or *about* the people who comprise these groups. Further, we aim to develop and maintain collaborations which reposition 'research subjects' as co-producers of research.

Research specific values

We aim to grow COSI's capacity to undertake partnered and community-based research of high quality and to be able to offer expertise in this emergent approach to research to the wider Monash research community. Within this approach of co-produced research therefore:

- we value *quality* research – as measured by various methods of peer scrutiny.
- we value *high impact* research – as judged by our research partners. We (or our research partners) may measure the success of the research according to factors including its relevant to them, the impact it has on them, its benefits;
- we value *interdisciplinarity* and seek involve others who bring skills and expertise different from ours
- we value *internationalisation* again seeking to engage in research with others and our students that has an international focus.

In engaging with our co-producers of research as research partners we allow their experience and perspectives to shape our research in several respects and we therefore assess the benefits of our research by asking ourselves the following questions

- How do we define the problem in relation to the research questions we address?
- How do we measure the success of our research?
- How do we report our research particularly to our research partners?
- How do we build a commitment to longer-term collaborations based on a relationship of trust?

COSI People

- Members

Lead Researchers

Researchers

| Title | Researcher | Title | Researcher |
|---------------|------------------|-------|----------------------|
| Prof | McKEMMISH, Sue | Dr | AARONS, Jeremy |
| A/Prof | BURSTEIN, Frada | Mr | AVRAM, Chris |
| A/Prof | FISHER, Julie | Dr | CASEY, Des |
| A/Prof | HURST, John | Dr | CARBONE, Angela |
| A/Prof | JOHANSON, Graeme | Dr | EVANS, Joanne |
| Dr | DAWSON, Linda | Dr | KUZIC, Jose |
| Dr | IACOVINO, Livia | Dr | MARKHAM, Selby |
| Dr | LINGER, Henry | Dr | RAHMATI, Nasrin |
| Dr | MORGAN, Michael | Dr | STILLMAN, Larry |
| Dr | SHEARD, Judy | Dr | TANNER, Kerry |
| Dr | STEYN, Jacques | Dr | WEEDING, Stephen |
| Dr | WRIGHT, Steve | Dr | IACOVINO, Livia |
| Mr | UPWARD, Frank | Dr | VAN DER VYVER, Braam |
| Emeritus Prof | SCHAUDER, Don | Dr | MEYER, Jan |
| Hon Prof | HIRSCHHEIM, Rudy | | |
| Hon Prof | KETELAAR, Eric | | |

- Advisory Board

| Name | Organisation |
|---|--|
| Judith Ellis COSI Chair | Managing Director Enterprise Knowledge Pty Ltd |
| Professor Nick Crofts COSI Deputy Chair | Nossal Institute for Global Health at the University of Melbourne |
| Lynda Bredin | Glen Eira Council |
| Carlo Carli | Chair of Scrutiny of Acts Scrutiny of Acts and Regulations Committee |
| Ian Dennis | Chairman, ACS Vic, Exec Director, Centre for Innovative Industry Economic Research, Chairman, Whitehorse Strategic Group Limited |
| Rita Ellul | Senior Project Officer, eLearning, Learning and Teaching Branch, Student Learning Programs Division, Department of Education. |
| Julie Fisher | Deputy Director COSI |
| Cathrine Harboe-Ree | University Librarian, Monash Library |
| Mary Hawkins | Head of Technology, Sustainability and Community, ANZ Bank |
| Justine Heazlewood | Director and Keeper of Public Records, Public Record Office Victoria |
| Dr Andrew Howard | National Manager, Community and Health, NEC Business Solutions |
| Margot Ingoldby | Manager, ICT Investment & Business Development, Multimedia Victoria |
| Professor Sue McKemmish | Director COSI |
| Professor O'Connor | Margaret Vivian Bullwinkel Chair in Nursing, Palliative Care, Palliative Care Research Team, Monash University |
| Michael Piggott | Manager, Cultural Collections Groups & University Archivist University of Melbourne |
| Professor Lynette Russell | Monash University |
| Cath Smith, | Executive Officer, VCOSS |
| Andrew Treloar | Director Australian National Data Service Establishment Project Monash University |

Research group reports

COSI brings together a number of research groups. More details of each group is available from our website, briefly the groups are:

- Computing Education Research Group

The Computing Education Research Group of the Faculty of Information Technology is interested in contemporary educational issues in computing and seeks to provide a vision for the pedagogical future of computing. CERG provides a forum for the discussion of state of the art research, and the sharing of pedagogical approaches. Research projects within CERG cover a wide range of aspects of computing education. The uses of technology in teaching and different approaches to teaching computing topics are investigated and evaluated with the aim of determining their effectiveness and efficiency in improving the processes of human learning.

- Centre for Community Networking Research (CCNR)

CCNR aims to understand how communities and community organisations are using new technologies. It is interested in the practicalities of information and technology usage and broader issues of community and institutional culture and memory as they are shaped through different understandings and uses of technologies. Its disciplinary focus is community informatics and development informatics

- Records Continue Research Group (RCRG)

- International Development Informatics Association (IDIA)

IDIA is an international forum for researchers and participants in the area of using Information and Communication Technologies in the context of developing economies, where constraints are severe compared with highly developed regions. IDIA has representation from China, India, Argentina, South Africa and Australia. For details, see <http://www.developmentinformatics.org/>. The main IDIA projects focus on the role of ICT and government information: e-Governance and eDemocracy; as well as on using ICT to assist people in developing regions to attain sustainable lives. Several proposals for research funding have been submitted jointly with participants from the University of Cape Town, the Informatics Development Institute (Ireland) and other European participants.

- Knowledge Management Research Program (KM Program)

Achievements Projects and Grants current 2007

This section provides more details on the activities and achievements of COSI researchers.

- ARC Research Grants

| Name | Investigators | Industry Partners | Funding | Years | Type of Grant |
|--|--|--|---------------------|------------------------------|---------------|
| Context-aware mobile decision support systems for medical contingency management in mass gatherings | <i>A/Prof F. Burstein, A/Prof L. Churilov, A/Prof A. Zaslavsky, A/Prof J. Wassertheil, Prof P. Arbon</i> | Intel | \$243,262 (plus IP) | 2007 2008 2009 | Linkage |
| Smart Information Portals: Meeting knowledge and decision support health care consumers for quality online information | <i>A/Prof F. Burstein A/Prof J. Warren Prof S. McKemmish A/Prof J. Fisher</i> | | \$186,000 | 2006 2007 2008 | Discovery |
| Socio-technical determinants of agile, network-centric organisations | <i>A/Prof H. Hasan, Dr K. Crawford, Dr D. Hart, Dr H. Linger, Dr L. Warne, Ms I. Ali</i> | | \$157,000 | 2005 2006 2007 | Discovery |
| Overcoming barriers to effective Internet use by community sector organisations | <i>Prof D. Schauder, Dr K. Williamson</i> | VICNET | \$72,000 | 2005 2006 2007 | Linkage |
| Enhancing patient management and clinical systems in hospital ward settings using mobile, wireless technologies | <i>Dr L. Heslop, Dr L. Dawson, A/Prof J. Fisher, Dr A. Howard, Dr A. Rothfield</i> | NEC, Southern Health | \$75,000 (plus IP) | 2004 2005 2006 | Linkage |
| Trust and technology: Building archival systems for Indigenous oral memory | <i>Prof S. McKemmish Dr L. Russell Prof D. Schauder Dr G. Johanson Ms J. Heazlewood</i> | Public Record Office Vic. Koorie Records Taskforce Koorie Heritage Trust Aust. Society of Archivists Indigenous Issues SIG | \$293,300 (plus IP) | 2003 2004 2005 2006 | Linkage |

- Monash Grants

| Name | Investigators | Funding | Years | Type of Grant |
|---|---|----------|-------|---------------------------|
| The Virtual Museum and the presentation of intertwining media and cultural histories – new approaches to compliment contemporary technological developments | <i>Prof M. Quartly (Arts) Dr Judithe Sheard</i> | \$10,000 | 2007 | ART/IT Monash Small Grant |

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| Name | Investigators | Funding | Years | Type of Grant |
|--|---|----------------|--------------|---|
| The Nintendo DS Game Device as an Educational ICT: Implementing Audio Annotation Interaction Strategies for Online Podcast Material. | Dr Michael Morgan (IT), Dr Mark Symmons (Arts) & M Butler (IT). | \$9415 | 2007 | ART/IT Monash Small Grant |
| Strengthen research into Development Informatics at Monash South Africa. | CCNR and researchers from the School of IT at Monash South Africa | \$24000 | 2007 | International Strategic Initiative Fund |
| Chinese in Prato | A/Prof G Johanson | \$23,000 | 2007 | International Strategic Initiative Fund |

• Other Funded Research

| Name | Investigators | Funding | Years | Type of Grant |
|---|---|----------------|--------------|---------------------------------------|
| The Doing IT Better Project | Dr L. Stillman | \$473,000 | 2007-09 | Private Donor |
| Carrick Grant on the Assessment of Novice Programmers, with partner institutions | Dr. A Carbone (with other institutions) | \$200,000 | 2006-07 | Carrick |
| Carrick Grant Managing Educational Change in the ICT Disciplines at the Tertiary Education Level. | Dr. J Sheard (with other institutions) | \$250,000 | 2007 | Carrick |
| Evaluation of <i>/Heart Health Online/</i> : A program to assist GPs to manage depression and related illnesses in patients with coronary heart disease | Dr C Pier, Prof. L Piterman, A/Prof F. Burstein, A/Prof J. Fisher Prof A. Tonkin, Dr B. Klein, Prof A. Murphy | \$150,000 | 2008-09 | Beyond Blue |
| Evaluation of the effectiveness of the KM repository. | A/Prof F Burstein, Dr H Linger | \$36,000 | 2007 | Aust Food Safety Centre of excellence |
| Enabling a Scalable and Intelligent Distributed Repository of Learning Objects | A/Prof J. Hurst Dr S. Krishnaswamy | \$21,000 US | 2007-08 | IBM |
| Working with Statistics in Computing Education Research (WSCER) | Judy Sheard & Angela Carbone | \$4500 | 2007 | ACM Special Projects grant scheme |

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- Completions

Ph D

D. Barker
A. Carbone
J. Evans
T. O'Daniel
R. Polan
L. Stillman
K. Tanner
R. Turner
S. Zyngier

Masters by Research

A. Dattakumar
N. Padmanabhan
K. Keefe
R. Randall

Further details in Appendix C

- Awards

Don Schauder Emmeritus Professor
Gillian Oliver Molly Holman Medal winner
Joanne Evans Vice-Chancellor's commendation for Doctoral Thesis excellence

- Scholarships Ph D and Masters

Abdul Gapar Abu Bakar (Govt. of Malaysian Scholarship)
Ambica Dattakumar
Tom Denison
Shannon Faulkhead
Shane Grisby
Ligia Ionescu
Jomond Kuang
Kate Lazarenko

Rosetta Manaszewicz (Cancer Council)
Thanh Tuyen Nguyen (AusAID)
Natalie Pang
Fonny Sujanto
Grace Xie
Richard Zanner

Other Research and activity

- Individual achievements

Mr Chris Avram was elected Treasurer of the International Federation for Information Processing (IFIP).

A/Prof Frada Burstein elected a Chair of the SIG DSS of the Association of IS

A/Prof Julie Fisher was elected secretary of the Australian Council of Professors and Heads of Information Systems

A/Prof Julie Fisher was elected secretary of the Board of the Victorian ICT for Women Network.

- Collaborations

Mr Chris Avram submitted a competitive bid, and won, on behalf of Australia, the rights to host the IFIP World Computer Congress (WCC 2010). He is a member of the WITFOR 2009 organising committee preparing for the next world IT forum to be held in Vietnam.

Juanita Fernando invited on behalf of the Australian Privacy Foundation to attend the NEHTA roundtable looking at secondary uses of health data with regard to SEHRs (Shared electronic health record) and the UHI (Universal Healthcare Identification).

- Events
 - DoingIT Better** three-year **project** in partnership with the Victorian Council of Social Service was launched by the Vice Chancellor and Fran Thorn Secretary of Dept of Human Services.
- Visitors
 - Dr **John Hamer**, Auckland University
 - Dr **Ray Lister**, University of Technology Sydney
 - Dr **Arnold Pears**, Uppsala University
 - Dr **David Schwartz** from Bar Ilan University for his sabbatical
 - Associate Professor **Sharman Lichtenstein** Deakin University
 - A group of academics led by **Mr Sayan Unankard** from the Information Technology Department, Faculty of Science, Maejo University, Chiangmai, Thailand came to discuss the possibility of joint research and student/staff exchange
- Conference and Workshop Organisation
 - 10th Australian Conference for Knowledge Management and Intelligent Decision Support (ACKMIDS)** in conjunction with the 5th International Conference on Supply Chain Management and the Collector Conference on Electronic Commerce (Organised by Frada Burstein and Henry Linger)
 - 4th Melbourne Computing Education Conventicle**, (Organisers Annegret Gould, Judy Sheard & Margaret Hamilton).
 - 1st IDIA Conference** held in Prato, Italy (Organisers Larry Stillman).
 - 4th Conference** Community Informatics Prospects for Communities and Action held in Prato (organised by CCNR)
 - 2nd Development Informatics National Workshop**, held at Monash South Africa, Johannesburg October 2007 (Organisers Jacques Steyn).
 - Doing IT Better Search Conference** (Organised by CCNR and Vic Council of Social Service)
 - Workshop** held prior to ACSW conference, University of Ballarat. "Working with Statistics in Computing Education Research" (WSCER). (Organisers Judy Sheard and Angela Carbone).
 - Workshop** run at Monash Prato on the topic of the Chinese in Prato. Funded through a grant from the Institute for Global Movements for \$30,000
 - Workshop** Community-based research run at Monash Caulfield by Prof Randy Stoecker, Center for Community and Economic Development, Madison, University of Wisconsin.
- Government Reports and Submissions
 - CCNR**, together with a number of other key organisations in Australia, prepared an important report about the representation of third or non-profit sector interests to government through a National Non Profit Information Technology Council (NNIC). The **Report** was released by the Commonwealth government in March
- Invited Presentations/ Keynote Addresses
 - John Hurst**: 4th Melbourne Computing Education Conventicle, Deakin University: Computing Education: What have we learnt from Computer Science (and Software Engineering)?

Judy Sheard: Invited seminar presentation, Quantitative methods in Computing Education Research, Uppsala University, Sweden, November 2007.

Judy Sheard - Seminar presentation, Investigating learning behaviour in Web-based learning environment, Biomedical Medical Unit, Melbourne University, April 2007.

Strategic Plan – Operational Plan 2008-10 Summary

| FIT Objectives | FIT Strategies/Actions | Centre Priority Actions | Measures/Targets | Accountability Timeline |
|---|---|---|--|--|
| <p>Build strong, pervasive, inclusive research culture</p> | <p>Develop Faculty Research Centres as the focus for research and collaboration in areas of Faculty strength:</p> <ul style="list-style-type: none"> • Develop Centre governance, structure, and planning • Establish KPIs for Centres • Coaching Scheme for Research Leaders • Achieve greater integration between HDR training and Research Centres operation | <p>Organise research forums and conferences</p> <p>Develop collaborative research projects related to building research communities and working together with communities, e.g. research into models, ethics, governance structures, long-term relationship building for user-centred/participatory research/community research/multidisciplinary research</p> <p>Build relationships between COSI research groups, and with MSA SIT – exchange, joint supervision, conference participation .</p> | <ul style="list-style-type: none"> • 6 forums pa • 1 conference biannually • 1 DP or LP09 re community building • 1 DP or LP pa involving researchers from across COSI groups • Participation by other COSI members in MSA conference (June 08) • Staff exchange – 1 MSA & 1 Monash Australia pa | <p>JS SM/JF/JS SM/JF</p> <p>2009-10 SM/JF</p> <p>GJ/HL</p> <p>From 2009 GJ/HL</p> |
| | <p>Develop governance matrix – Centres, Schools, and Domestic and International Campuses:</p> <ul style="list-style-type: none"> • Nested research plans and KPIs – individual, Centre, School, Campus, Faculty • Roles • Resources • HDR training roles and responsibilities clarified | <p>Develop a statement of values, code of conduct, ethics, practice within COSI and with communities and collaborators</p> <p>Run workshops re community-centred, participatory research – initially for COSI staff and PhDs, then offer to others</p> | <ul style="list-style-type: none"> • Framework and draft code of conduct and ethics developed. • 2 workshops for COSI • 1 workshop pa for others | <p>2008 SM/JF</p> <p>2008 JS</p> <p>2009-10 JS</p> |
| | <p>Increase external research funding:</p> <ul style="list-style-type: none"> • Identify opportunities • Target eligible staff • Improve mentoring and reviewing • Develop ECRs’ grantsmanship skills | <p>Grow National Competitive Grant Income through mentoring, reviewing and workshops coordinated by Faculty.</p> <p>Grow Research income from other sources</p> | <ul style="list-style-type: none"> • 2 DP09, 2 LP09 Linkage, \$650K(\$300 industry), • 2 DP10, 3 LP10 \$825 K (\$450 Industry), • 3 DP11 , 3 LP \$1m (\$450 Industry). • Other \$150,000 p a | <p>2008 SM/JF/All</p> <p>2009 SM/JF/All</p> <p>2010 SM/JF/All</p> <p>SM/JF/All</p> |

| | | | | |
|--|--|--|--|--|
| Conduct research of high quality and impact | <p>Identify and address research development needs of Faculty staff, targeting in particular ECRs and staff not conducting quality research, via implementation of:</p> <ul style="list-style-type: none"> • ECR Scheme • Mentoring Scheme <p>Develop research activity benchmarks for research quality and impact, linked to performance management, research planning, staff development fund, and workload allocation:</p> <ul style="list-style-type: none"> • Publication targets (top-tier journals and conferences; shift in balance from conference to journals • Grant income targets • Impact factors <p>HDR supervisions and completions</p> | <p>Develop definitions of and metrics for quality and impact in COSI research in consultation with all stakeholders</p> <p>Build capacity of COSI researchers – through small research grants; develop publication strategies; develop skills in interdisciplinary and community based research.</p> <p>Identify and source research support needs (grant applications, web site, publicity etc)</p> <p>Participate in Faculty ECR and HDR support schemes.</p> <p>Engage pro-actively with RQF process, including journal ranking.</p> | <ul style="list-style-type: none"> • 4 rating for all COSI research groups • Definitions and metrics for COSI quality and impact • COSI researchers, including ECRs meeting FIT research activity benchmarks. • Forums at peer level to discuss, share and critique research activity. | <p>2008 SM/JF</p> <p>2008 SM/JF/FB</p> <p>2010 SM/JF/All</p> <p>JH</p> |
| | <p>Recruit staff with strong research track records in areas of Faculty strength.</p> | <p>Develop strategy re staff recruitment, Post Docs and Prof Fellows</p> | <ul style="list-style-type: none"> • COSI Post Doc • COSI Prof Fellow | <p>2009</p> <p>2010 SM/JF</p> |

| | | | | |
|--|---|---|--|---|
| <p>Broaden and strengthen collaboration with other Monash groups and external research partners</p> | <p>Identify and broker targeted/strategic links with government, industry (e.g., Microsoft, SAP, Intel, NICTA) and community:</p> <ul style="list-style-type: none"> • Promotion of Faculty research strengths • Mapping Faculty research strengths to industry, government, community needs • Summits involving Faculty staff and potential collaboration partners <p>Identify and develop collaborations with Monash Centres and Institutes.</p> | <p>Engage international campuses and centres to build relationships with other partners – to assist the linking process</p> <p>Map existing projects, strengths and collaborations, environment, potential collaborators (Monash, locally, globally – academic, industry, professional, community), trends in government, business and civil society, R&D needs in our constituencies, relevant national and international policies and priorities,</p> <p>Identify, target and prioritise research partners and projects (one criterion – projects that engage COSI researchers from across research groups; another relates to FIT agenda re IITB, Sichuan and eResearch; within Monash – Law, Arts, Education, BusEco, MONRAS, Global Movements, Asia Institute;</p> <p>Build research agendas and investigate funding sources, e.g. LPs & AusAID, through industry and community forums and summits</p> <p>Develop statement of COSI consultancy/industry capability</p> <p>Articulate and publicise COSI activities, research strengths and achievements – web site, flyers, media, forums, listservs, wikis</p> | <ul style="list-style-type: none"> • Complete Mapping Project • Business Plan for Collaboration • Implement Business Plan • Established process for COSI web site and publicity. Identified publishing outlets to target. • Host 2 visiting professors pa | <p>2008 SM/JF 2008</p> <p>2009-10</p> <p>BP Action: Lead Res</p> <p>2008 LD</p> |
|--|---|---|--|---|

| | | | | |
|---|---|---|--|---|
| <p>Provide HDR students with high-quality supervision, infrastructure, and administrative and technical support to enable best-practice research skills development in Australia</p> | <ul style="list-style-type: none"> • Establish better HDR student recruitment process • Establish procedures to achieve development of key graduate attributes for HDR training • Put in place processes to monitor the quality of HDR supervision practices • Develop cost-efficient funding structure for HDR candidates • Ensure that support processes for HDR students match accepted best practice • Promote better research culture among HDR cohort | <p><i>Provide</i> a research environment that engages and supports HDR students by:</p> <ul style="list-style-type: none"> • Facilitating HDR network run by students, including social events • Establishing a mechanism for HDR student feedback including review of current questionnaire. • Establishing mentoring of HDRs (separate from supervision). <p><i>Contribute</i> to development of cross faculty research supervision strategy, including joint supervisions MSA SIT.</p> <p>Contribute to redevelopment of research methods training (multidisciplinary, community/participatory models etc – see also above under Objective 1)</p> <p><i>Recruit</i> high quality HDRs by</p> <ul style="list-style-type: none"> • Identifying and communicating potential HDR projects • Nurturing of Hons and Masters students • Publicising research forums and events to potential HDRs (via MUSO; include report on seminar in assessment) • Targeting AusAid internationals <p><i>Develop</i> Metric to optimise supervision</p> | <ul style="list-style-type: none"> • HDR students network established • Mechanism for consultation and obtaining feedback in place. • Feedback indicates HDR students’ needs being met • Established mentoring arrangements • Yearly HDR symposium • Research methods units in place which address needs of COSI style research • Metric developed for supervision. | <p>2008</p> <p>2008</p> <p>2009-10</p> <p>2008</p> <p>2008-10</p> <p>2009</p> <p>Action: SW</p> |
|---|---|---|--|---|

Appendix A

- Publications

Book Chapters

- Fennessy, G., & Burstein, F. (2007). 'Role of information professionals as intermediaries for knowledge management in evidence-based healthcare'. In R. K. Bali & A. N. Dwivedi (Eds.), *Healthcare Knowledge Management: Issues, Advances, and Successes* (pp. 28-40). New York, NY, USA: Springer.
- Lowry, G., Turner, R., & Fisher, J. (2007). 'A dynamic structural model of education and skills requirements for careers in information systems: Perspective across gender and time'. In G. Lowry & R. Turner (Eds.), *Information Systems and Technology Education: From the University of the Workplace* (pp. 1-25). Hershey PA USA: Information Science Reference.
- Lynch, K., & Fisher, J. (2007). 'Tomorrow's workforce today: What is required by information systems graduates to work in a collaborative information systems workplace?' In G. Lowry & R. Turner (Eds.), *Information Systems and Technology Education: From the University of the Workplace* (pp. 311-326). Hershey PA USA: Information Science Reference.
- Moon, J., & Burstein, F. (2007). 'Ontology-based spelling correction for searching medical information'. In A. Salim & J. Stevens (Eds.), *Semantic Web Technologies and E-Business: Towards the Integrated Virtual Organization and Business Process Automation* (pp. 384 – 404). Hershey, PA, USA: Idea Group Publishing.
- Murphy, D., Casey, D., & Fraser, J. (2007). 'Talk about walkabout: Evaluation of a flexible learning initiative'. In P. Tsang, R. Kwan & R. Fox (Eds.), *Enhancing Learning Through Technology* (pp. 11-26). Singapore: World Scientific Publishing Co. Pte. Ltd.

Journal Articles

- Bogdanovic, M., & Johanson, G. (2007). 'Improving access to online multilingual resources by adopting the My Language Portal in the City of Greater Dandenong Libraries'. *Australian Library and Information Association Ltd, May 2007*, 135-151.
- Carbone, A., de Raadt, M., Kay, J., Lister, R., Litchfield, A., Raban, R., Roe, P., Santamaria, D., Sheard, J., Shepherd, J., Solomon, A., & Thomas, R. (2007). 'The Carrick vision and computing education: Four case studies in multi-institutional collaboration'. *Conferences in Research and Practice in Information Technology*, 66, 3-8.
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- Burstein, F., Sohal, S., Sohal, A., & Zyngier, S. (2007). 'Knowledge management leadership in Australia: The understanding of knowledge management roles & responsibilities'. In S. Kaparthy (Ed.), *Proceedings of the 9th International Conference on Decision Support Systems*. (pp. 1-12). Kolkata, India, 2-4 January.
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- Fisher, J & Heinz Kautz, K (eds) (2007) Special Issue: *Initiating a North – South Dialog: A reflection of Information Systems Research in Australia* The Scandinavian Journal of Information Systems, 19(1)
- Fisher, J (2007) Special Edition *Australasian Women in Computing* Australian Journal of Information Systems
- Lister, R Sheard, J, Carbone, A - Co-editorship of a Special Issue of the Computer Science Education journal in 2007.
- Stillman, L., & Johanson, G. (Eds.). (2007). *Constructing and Sharing Memory Community Informatics, Identity and Empowerment*. UK: Cambridge Scholars Publishing

Appendix B

- Students

| Degree | Title | Student |
|----------------------|--------------|-------------------------|
| PhD Comp | Ms | ABDUL LATIF, Rubijesmin |
| PhD Comp | Ms | ALI, Irena |
| PhD Comp | Mr | BAKAR, Abdul Gapar Abu |
| PhD Comp | Mr | BURCH, Anthony |
| Ph D Comp | Mr | COLLER Matthew |
| PhD Comp | Ms | CRAIG, Annemieke |
| Ph D Comp | Ms | DUTTAKUMAR, Ambica |
| PhD Comp | Ms | DESERNO, Ineke |
| PhD Arts | Mr | FAULKHEAD, Shannon |
| PhD Comp | Ms | FERNADO, Juanita |
| PhD Comp | Ms | FIRMAN, Sally |
| PhD Comp | Mr | GRIGSBY, Shane |
| PhD Comp | Mr | HILLIER, Matthew |
| PhD Comp | Mr | KUANG, Jomond |
| PhD Comp | Ms | LAZARENKO, Kate |
| PhD Comp | Ms | MANASZEWICZ, Rosetta |
| PhD Comp | Ms | MILLER, Jan |
| PhD Comp | Mr | NGUYEN, Thanh Tuyen |
| PhD Comp | Ms | OWEN, Jill |
| PhD Comp | Ms | PANG, Lee San Natalie |
| PhD Comp | Ms | SCHUHMACHER, Margot |
| PhD Comp | Mr | SKIDMORE, Darren |
| PhD Comp | Mr | WILLIAMSON, Andrew |
| PhD Comp | Ms | XIE, Jue (Grace) |
| PhD Comp | Mr | ZANNER, Richard |
| PhD Med | Mr | ALSHARQI. Omar |
| PhD Comp & Associate | Mr | UPWARD, Frank |
| Associate & PhD | Mr | BARNDEN, Andrew |
| Associate & PhD | Mr | BUTLER, Matt |
| Associate & PhD | Mr | COLLER, Matthew |
| Associate & PhD | Mr | DENISON, Tom |
| Associate & PhD | Ms | FOSTER, Sue |
| Associate & PhD | Ms | FRASER, Janet |

Appendix C

- HDR student completions

| Ph D | Title | Supervisor/s |
|-------------|--|---------------------------|
| A. Al-Alawi | Drivers and pitfalls of electronic business - a Dubai perspective | D. Arnott, J. Kuzic |
| D. Barker | From mechanics' institutes to free libraries: aspects of public policy, community culture and library provision in Victoria, 1839-1946 | G. Johanson, S. Wright |
| A Carbone | | J. Hurst, I Mitchell. |
| J. Evans | Building capacities for sustainable recordkeeping metadata interoperability | S. McKemmish, L. Iacovino |
| T. O'Daniel | A history of the Internet and its domain names, as an application of stucturation theory to technology | D. Schauder, G. Johanson |
| R. Polan | Engineering highly adaptive business processes using aspect oriented techniques | D. Casey, J. Han |
| L. Stillman | Understandings of technology in community-based organisations: a structurational analysis | G. Johanson, D. Schauder |
| K. Tanner | Human capital, organisational systems and technologies in knowledge-enabled organisational change | F. Burstein, D Schauder |
| R. Turner | The Development of a Two-Stage Regression Model Describing the IS Graduate | J Fisher, L Dawson |
| S. Zyngier | KM governance: a framework for KM sustainability and benefits realization | F. Burstein |

| Masters by Research | | |
|----------------------------|---|----------------------|
| A. Dattakumar | Adoption of ICT by Clinicians in Healthcare: A Comparative Study of Australia and India | J Fisher, L Dawson |
| N. Padmanabhan | An evaluation study of the impact of the prototype 'iTriage' on triage decision making | F. Burstein |
| K. Keefe | Adopting eXtreme Programming Practices for Teaching Object Oriented Programming | J. Sheard |
| R. Randall | User Perceptions of Space, Place and Presence in Computer-Mediated Environments | S. Wright, K. Tanner |

| Honours | | |
|---------------------|--|---------------------|
| Belinda Boo | | J Fisher |
| Nils Gleissenberger | Controlling levels of detail in 3D visualisations of archaeological sites to assess the most effective method of presenting information. | Associate M. Morgan |
| Daniel Mauser | Integrating work flow process concepts into Learning Managements Systems (LMS) using MUSO as a case study. | M. Morgan |

Appendix D

Seminars

| Name | Run by | Notes/Topic |
|---|--------|--|
| Mr Martin Atchison | CERG | A second tech wreck? IT education in Victorian universities |
| Assoc Prof John Hurst/ Dr Selby Markham | CERG | Perceptions and performance: ICT at Monash University |
| Mr Matthew Butler | CERG | A Framework For Effective Independent Learning Of Programming |
| Dr Sandrine Balbo The University of Melbourne | CERG | A Community Based Self-Learning Environment (http://peclad.org) |
| Associate Professor Judy Kay Sydney University | CERG | Teaching Programming, right across the span from beginners to the capstone projects |
| Dr John Hamer University of Auckland | CERG | PeerWise and Contributing Student Pedagogy |
| Dr Arnold Pears Uppsala University, Sweden | CERG | Methods and Approaches to Computing Education Research |
| Prof John Zeleznikow, Victoria University | CCNR | Using conflict resolution software for family dispute resolution |
| Dr Larry Stillman | CCNR | The National Non-Profit ICT Coalition: A Technology Lobby in the Making. |
| Prof Krithi Ramamritham, Dean Research, Indian Institute of Technology Bombay | CCNR | IT for community development; IT for social benefits |
| Dr Jacques Steyn, Head, School of IT, Monash South Africa | CCNR | Gazing into the ICT ball - a glimpse of the future |
| Professor Leopoldina Fortunati, University of Udine, Italy. | CCNR | Diffusion, adoption and use of the mobile phone in China. |
| Emeritus Professor Phillip Ein- Dor at the Faculty of Management, Tel-Aviv University. | CCNR | Issues in Knowledge Management, including: the reflection of some general IS research problems in the Knowledge Management field |
| Michel Bauwens, founder of the Foundation for P2P Alternatives | CCNR | The impacts of P2P technologies. |
| Matthew Collier Monash University | CCNR | Taking GoogleEarth through a time-warp for Australasian archaeology |
| Dr. David G. Schwartz | CCNR | A birds-eye view of Knowledge Management |
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