School of Economics & Information Systems

Annual Report
2004
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**Acknowledgements**

**Editor**  
Julie Sutherland

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1. **STAFF OF THE SCHOOL**

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**Head**
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**Honorary Principal Fellows in Information Systems**
Kate Crawford BPharm Sydney, MEd Canberra, PhD UNE
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Reza Zamani: BSc, MSc, PhD Wollongong

**Lecturers**
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Lejla Vrazalic: BCom (Hons), PhD Wollongong

**Associate Lecturers**
Søl Coombe: BIT
Chee Fon Chang
Angelo Papakosmas

**Professional Officer**
Lily Soh

**Administrative Staff**
Debbie Critcher
2. OVERVIEW

Report from the Head of School

This is the third annual report from the School of Economics and Information Systems and covers the second full year since the school was created in July 2002 as a result of a major restructuring of the Faculty of Commerce. This report provides a record of the School's activities for the year 2004. During that year the Head of School, Professor Simon Ville, was on leave and Associate Professor Ann Hodgkinson was acting Head of School.

Teaching Programs

2004 saw the implementation of the new structure for the Bachelor of Commerce. The School has made a major contribution to this process. It has major responsibility for teaching four of the first year common core units. In addition, both Economics and Information Systems offer major and minor areas of study within the degree. The new structure requires students majoring in Business Information Systems to take, in addition to the first year core subjects, Business Programming I, Database Management Systems, Advanced Database Management Systems and the Information Systems Project. The Economics major involves, in addition to the first year core subjects, Macroeconomic Theory and Policy, Microeconomic Theory and Policy, Quantitative Methods II, Economic Policy and either History of Economic Thought or Economic History. The new structure is aimed at providing students graduating in each of our disciplines with a sound set of specific competencies to take forth into the workforce. In addition, Economics offers two integrating subjects as part of the Commerce degree, COMM303: Development of Modern Business and COMM327: Business Innovation, Technology and Policy.

Members of the School teach subjects not only to Bachelor of Commerce students, but also those undertaking degrees through the Informatics Faculty and the Faculty of Arts and many other faculties in the university. It provides service teaching to the Graduate School of Business and Professional Development. It offers a number of undergraduate subjects to students in the Bachelor of Business Administration at the satellite campuses in Nowra, Bateman’s Bay, Bega, Moss Vale and Loftus. Subjects were also taught offshore in Singapore and Hong Kong. Quality assurance functions were conducted for our subjects when taught at the University of Wollongong campus in Dubai, as well as by Wollongong University College and offshore.

As part of the restructuring of the Bachelor of Commerce, the Honours program was also changed from a discipline to faculty base. The school benefited from a new approach to encouraging students to undertake their Honours year with nine students graduating with Honours in 2004, including three First Class, five Class Two, Division 1 and one Class Two, Division 2 results. During 2004, 2 Masters by Research and 8 PhD degrees were successfully completed. One of these students later received a Fullbright Scholarship for study in the USA.
Research Activities

School research activities have been reorganised into a number of recognised strengths. These have been identified in Economics as: Trade, Growth and Development, Economics of Social Issues and Economic and Business History. The research strengths in Information Systems are identified as Knowledge Management and Information Architecture, Human Computer Interaction and Supply Chain Information Systems. In addition, both disciplines contribute to the Centre for Small and Medium Enterprises and Regional Research.

These strengths have been pursued through an active program of scholarly publication, presentations at national and international conferences, working papers and professional activities with relevant societies, organisations and journals as listed later in this report. In addition, a strong seminar program was presented involving visits from distinguished scholars from other national and international organisations as well as presentations by our own staff. The current research projects of staff are listed in Section 4 of this report.

Several members of the school were successful in obtaining Australian Research Council grants in 2004. New ARC Discovery grants were obtained by Professor Simon Ville and Associate Professor Helen Hasan. Dr Lejla Vrazalic and Associate Professor Tran Van Hoa obtained ARC Linkage Grants. Four significant conferences were organised by members of the school, three of which were held in Wollongong and one in Malaysia:-

- Australia and New Zealand Regional Science Association 28th Annual Conference, September/October, Wollongong.
- Regional Conference of the International Society for Cultural and Activity Research (ISCAR), July, Wollongong.
- Third International Conference on SMEs in a Global Economy, in association with Malaysian Entrepreneurship Development Centre, July, Malaysia.

Governance

Associate Professor Ann Hodgkinson acted as Head of School in 2004 and was confirmed in this position for a two year term early in 2005.

Associate Professor Ed Wilson returned as Head of the Economics Discipline and was confirmed to continue in this position for a further two years early in 2005.

Associate Professor Rob MacGregor was the interim Head of Information Systems in 2004. After an extensive process, Professor Peter Eklund was appointed as Head of the discipline in late 2004 for a two year term.

Associate Professor Joan Rodgers was appointed as coordinator of the Faculty of Commerce new Dean’s Scholar Program.

Professor Don Lewis continued in the role of Associate Dean (Academic) in the Faculty Office.

Nadia Verrucci continued her appointment as Sub-Dean to the Faculty of Commerce.
We also note with sorrow the death of Professor Emeritus Ken Blakey early in 2004. Professor Blakey was the foundation Professor of Economics at the University of Wollongong and played an important role in setting the direction of that discipline. He continued to play a role in that department for many years after his retirement. He is commemorated in the annual Student Prize in Intermediate Microeconomics.

**Economics and Social Policy Lecture**

The second annual Economics and Social Policy Lecture was held on 4\textsuperscript{th} November, presented by Pru Goward, the Federal Sex Discrimination Commissioner. Her address was entitled “Work/Family Issues in the New Federal Government’s Agenda”, which covered issues faced by women in the 21\textsuperscript{st} century, including balancing family/work responsibilities and the emerging issue of ensuring women have sufficient superannuation on retirement. Pru also spoke at the launch of a new women’s network at the university on “Career and Family – Making it Work”, at a luncheon on the same day. Both events were well attended and have led to a number of new initiatives in this area at both the University and School level.

Ann Hodgkinson, Acting Head of School
Report from the Head of Economics

Staff News
Dr Abbas Valadkhani joined the Economics Discipline as Senior Lecturer in December. The Economics Discipline had one visitor, Patrizia Tiberi Viprio from the University of Udine, Italy. The active staff research seminar series was coordinated by Associate Professor Tran Van Hoa with presentations by prominent researchers from the ANU, UNSW, Monash University, the University of Udine, Department of Foreign Affairs and Trade, the Reserve Bank of Australia and the Productivity Commission.

The Working Paper series, edited by Dr Boon-Chye Lee and Dr Julie Sutherland, continued to grow with twenty two papers published in 2004. This is the highest number since the series began in 1990, and the number of Economics staff who contributed papers increased by fifty per cent over the previous year. The Working Paper series, registered with Research Papers in Economics (RePEc) website with over 400 participating institutions worldwide, received 1056 views of abstracts and 341 file downloads during the year.

Staff Recognition
The following members of the Economics Discipline received recognition for distinguished work.

- Associate Professor Charles Harvie received the Best Paper Award by the Association of Korean Economic Studies;
- Associate Professor Ann Hodgkinson was awarded the Prize for the Best Article in the journal Sustaining Regions;
- Associate Professor Tran Van Hoa was awarded an Honorary Professorship at the National Economics University in Hanoi, Vietnam;
- Professor Simon Ville was awarded the Inaugural Bruce McComish Prize for Economic History;
- Associate Professor Ed Wilson received an Award for Excellence in Educational Publishing by the Australian Publishers Association.

In addition, Associate Professor Tran Van Hoa received an ARC Linkage grant for $254,000 “ASEAN+3 and Impact on Australia-Vietnam Trade” and Professor Simon Ville received an ARC Discovery grant with the University of Melbourne for $70,000, “Business Profitability and Long Term Industrial Change in Twentieth-Century Australia”. One of our PhD candidates Mr Mosayeb Pahlavani, supervised by Dr Khorshed Chowdhury and Associate Professor Ed Wilson, received the Dean of Commerce Research Award in recognition of the achievement of outstanding research outcomes.
Teaching Changes
Teaching in the Economics discipline underwent significant change in 2004 with the movement to six credit point undergraduate subjects as part of the restructuring of the Bachelor of Commerce degree. The change has been successful, with student numbers in Economics subjects increasing this year, reflecting better integration of the Economics subjects and facilitation of students’ choice and progression through the Commerce degree. The subject Macroeconomic Theory and Policy has been reintroduced to the first year core subjects undertaken by all Faculty of Commerce students.

Student Success
A new system for attracting honours students was implemented in the Economics Discipline by Assoc Prof Joan Rodgers and Dr Frank Neri and three first class honours degrees in Economics were awarded to John Burgess, Robert Tuck and Jane Olsen. Jane Olsen was also awarded the University Medal and the Dean of Commerce Special Commendation Award. Her thesis research, supervised by Dr Boon-Chye Lee and Associate Professor Ann Hodgkinson, analysed innovation processes in small and medium sized NSW enterprises (SMEs).

SME Research
Associate Professor Charles Harvie and Dr Boon-Chye Lee jointly organised the Third International Conference on SMEs in a Global Economy held in Kuala Lumpur in July. Our Centre for SME Research and Development collaborated with the Malaysian Entrepreneurship Development Centre of the Universiti of Teknologi MARA as conference organisers. The proceedings were officially opened by the Malaysian Minister for SMEs and there were over sixty contributed papers from around the world.

Ed Wilson, Head of Economics Discipline
Report from the Head of Information Systems

The main aspects that I would like to highlight are as follows:

**PhD Completions**  Lejla Vrazalic
                          Rob MacGregor

**New Staff**  Professor Peter Eklund
                   Dr Hong Cheu Liu
                   Dr Zhaohao Sun
                   Mr Kamaljeet Sandhu

**Departed Staff**  Angelo Papakosmas
                      Sol Combe
                      Dr George Ditsa
                      Dr Lejla Vrazalic (Dubai for 3 years)

**Other news**

- The Annual Conference of the Computer-Human Interaction Special Interest Group (OZCHI) was hosted at UOW in November and chaired by Lejla Vrazalic and Peter Hyland, SITACS.

- A major research link has been formed between the discipline (Joseph Meloche, in particular) and the NSW Intensive Care Coordination & Monitoring unit at Nepean Hospital (ICCMU).

- Associate Professor Helen Hasan was awarded an ARC Discovery grant – Socio-technical determinants of agile, network-centric organisations.

- Dr Lejla Vrazalic (with Associate Professor Hyland, SITACS) was awarded an ARC Linkage grant – Development and Validation of Conceptual Models and Transferable Architectures to Support Self-Sustainable Community Portals.
• Major research links have continued to develop with other universities, including
  o Monash (Dr Reza Zamani, Dr Sim Kim Lau)
  o UNSW (Associate Professor Helen Hasan, Mr Joseph Meloche)
  o Karlstadt, Sweden (Dr Lejla Vrazalic and Dr Rob MacGregor)
  o Utah State (Dr Lejla Vrazalic and Dr Rob MacGregor)
  o Bond University (Dr Zhaohao Sun)
  o Beihang University, Beijing (Dr Zhaohao Sun)
  o Hebei Normal University (Dr Zhaohao Sun)
  o Lufthansa Systems Berlin GmbH, Berlin (Dr Zhaohao Sun)

• The Discipline hosted a visit by Emeritus Professor Joan Pierson for a six month period. Joan was formerly from James Madison University, USA.

• Dr Lejla Vrazalic received the Vice Chancellor’s Award for Teaching Excellence.

Dr Lejla Vrazalic and Dr Rob MacGregor (with Associate Professor Hyland, STACS) won the Prime Minister's Award for Research in Small Business.

**Electronic Commerce Research**
A 50 page report on E-commerce adoption in regional Australia, written by Rob MacGregor and Lejla Vrazalic, was released in the Australian Federal Parliament.

**New Appointment**

After a long process the position of Professor of Information Systems has finally been filled. Professor Peter Eklund, formerly from the Faculty of Informatics accepted the position as from December 2004. He is also Head of Discipline for Information Systems. Prior to his appointment Helen Hasan and Rob Macgregor were Heads of Discipline in the intervening three years.

Rob MacGregor, Former Head of the Information Systems Discipline
4. Teaching Activity

The change to 6 credit point undergraduate subjects as part of the restructuring of the Bachelor of Commerce degree was successfully implemented in the Economics Discipline. As a result of the restructure, ECON101 Macroeconomic Essentials for Business was reintroduced as a core first year subject in the Bachelor of Commerce degree. COMM327, Business Innovation, Technology and Policy was introduced as the first integrating subject in that degree. School EFTSU reached a total of 1,111 in 2004. This consisted of 380 EFTSU in Information Systems, 573 in Economics and 179 in the Commerce subjects.

Subjects Offered in 2004: Economics Discipline

Undergraduate
COMM121 - Quantitative Methods I
COMM327 - Business Innovation, Technology and Policy
ECON101 - Macroeconomic Essentials for Business
ECON111 - Introductory Microeconomics
ECON205 - Macroeconomic Theory and Policy
ECON208 - Gender, Work and the Family
ECON215 - Microeconomic Theory and Policy
ECON216 - International Trade Theory & Policy
ECON221 - Econometrics
ECON222 - Quantitative Methods II
ECON230 - Quantitative Analysis For Decision Making
ECON231 - Business Statistics and Forecasting
ECON251 - Industry and Trade in East Asia
ECON301 - Monetary Economics
ECON302 - Transition Economics
ECON303 - Economic Development Issues
ECON305 - Economic Policy
ECON307 - International Monetary Economics
ECON308 - Labour Economics
ECON309 - Environmental Economics
ECON310 - Cost Benefit Analysis
ECON311 - Natural Resource Economics
ECON312 - Industrial Economics
ECON317 - Economics of Health Care
ECON318 - Economics of Health Care - A
ECON319 - Electronic Commerce and the Economics of Information
ECON322 - Mathematical Economics
ECON327 - Advanced Econometrics
ECON331 - Financial Economics
ECON341 - Special Topics in Economics - A
ECON342 - Special Topics in Economics - B

**Postgraduate**

ECON901 - Monetary Economics
ECON902 - Advanced International Monetary Economics
ECON904 - Trade, Growth and Development
ECON907 - Cost-Benefit Analysis
ECON908 - Advanced Topics in the Economics of Development
ECON910 - Economics for Accounting Professionals
ECON911 - Advanced International Economics
ECON912 - Labour Economics
ECON913 - Industrial Organisation
ECON915 - Electronic Commerce and the Economics of Information
ECON918 - Economics of Health Care
ECON921 - Econometric Models
ECON927 - Innovation and Technology in the New Economy
ECON936 - Graduate Macroeconomics
ECON937 - Graduate Microeconomics
ECON938 - Environmental Economics
ECON939 - Quantitative Economic Analysis
ECON940 - Statistics for Decision Making
ECON941 - Advanced Topics in Economics - A
ECON942 - Advanced Topics in Economics - B
ECON943 - Advanced Topics in Economics - C
ECON982 - International Economic Relations
ECON983 - Trade and Industry in East Asia
ECON984 - Financial Economics
ECON992 - Research Report
ECON996 - Advanced Macroeconomic Theory
ECON997 - Advanced Microeconomics Theory
INTR920 - Advanced International Economic Relations B
Subjects Offered in 2004: Information Systems Discipline

**Undergraduate**
BUSS102 - Computer Systems I
BUSS110 - Introduction to Business Information Systems
BUSS111 - Business Programming I
BUSS201 - User-Centered Business Programming
BUSS211 - Requirements Determination and Systems Analysis
BUSS212 - Database Management Systems
BUSS213 - Multimedia in Organisations
BUSS214 - Business Programming II
BUSS215 - Business Programming III
BUSS218 - Systems Design and Architecture
BUSS308 - Computer Systems Management
BUSS311 - Advanced Database Management Systems
BUSS312 - Distributed Information Systems
BUSS315 - Knowledge-Based Information Systems
BUSS316 - Information Systems Development Methodologies
BUSS317 - Business Programming IV
BUSS318 - Information Systems Project
BUSS391 - Special Topic in Information Systems

**Postgraduate**
BUSS906 - Information in Organisations
BUSS907 - Fundamentals of e-Business
BUSS910 - Qualitative Analysis of Systems
BUSS911 - Intelligent Systems
BUSS924 - Systems Modelling and Simulation
BUSS926 - Decision Support Systems
BUSS927 - Human Computer Interaction
BUSS929 - Information Systems Research Methods
BUSS945 - Information Systems Project
BUSS946 - Information Systems Project Part 1
BUSS947 - Information Systems Project Part 2
BUSS950 - Systems Development Methodologies
BUSS951 - Critical Issues in Information Systems
BUSS952 - Strategic Information Systems Management
BUSS953 - Management of Information Systems Development
BUSS981 - Advanced Information Systems - Topic A
BUSS982 - Advanced Information Systems - Topic B
BUSS983 - Advanced Information Systems - Topic C
BUSS984 - Advanced Information Systems - Topic D
BUSS986 - Research Report
BUSS991 - Research Report - Part 1
BUSS992 - Research Report - Part 2
# Postgraduate Students Supervised

## PhD Students

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<td>Transmission Mechanism of Monetary Policy in Indonesia</td>
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<td>Management of Open IT and Systems Architectures in the Australian Federal Government</td>
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<td>Chen Z</td>
<td>Semantic Markup for Inconsistency Handling in Requirements Engineering</td>
<td>Ghose A</td>
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<tr>
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<tr>
<td>Connery A</td>
<td>Effectiveness of B2B and B2C Communications in Regional Areas</td>
<td>Hasan H</td>
</tr>
<tr>
<td>Ha M</td>
<td>Knowledge Architecture</td>
<td>Hasan H and Z Sun</td>
</tr>
<tr>
<td>Hsu W</td>
<td>MIS Business Model Developments for PC-based Massively Multiplayer Online Game industry</td>
<td>Meloche J</td>
</tr>
<tr>
<td>Ionescu C</td>
<td>E-Commerce Adoption in Small Business</td>
<td>MacGregor R and L Vrazalic</td>
</tr>
<tr>
<td>Jiang Q</td>
<td>A Genetic Algorithm for Multiple Resource-Constrained Project Scheduling</td>
<td>Zamani R</td>
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<tr>
<td>Leung KN</td>
<td>Expert Systems Application in Help Desk</td>
<td>Sim KL</td>
</tr>
<tr>
<td>Li X</td>
<td>Supply Chain Simulation Modelling</td>
<td>Sim KL</td>
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<tr>
<td>Lin Q</td>
<td>Viewpoints Consistency Management Using Belief Merging operations</td>
<td>Ghose, A</td>
</tr>
<tr>
<td>(graduated)</td>
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<tr>
<td>Student</td>
<td>Dissertation Topic</td>
<td>Supervision</td>
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<tr>
<td>Li S</td>
<td>Multi-agent Negotiation and Belief Merging</td>
<td>Sun Z and A Ghose</td>
</tr>
<tr>
<td>Salim F</td>
<td>Agent Programming and Software Engineering Tools</td>
<td>Sun Z and A Ghose</td>
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</table>

**Master of Computer Science, IT**

<table>
<thead>
<tr>
<th>Student</th>
<th>Dissertation Topic</th>
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<tbody>
<tr>
<td>Li S</td>
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<td>Sun Z and A Ghose</td>
</tr>
<tr>
<td>Salim F</td>
<td>Agent Programming and Software Engineering Tools</td>
<td>Sun Z and A Ghose</td>
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</table>

**Bachelor of Commerce (Honours - Economics)**

<table>
<thead>
<tr>
<th>Student</th>
<th>Dissertation Topic</th>
<th>Supervisor</th>
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<tbody>
<tr>
<td>Bennett L</td>
<td>State Technology and Science Index</td>
<td>Neri F</td>
</tr>
<tr>
<td>Bof D</td>
<td>The Welfare and Trade Implications of the Australia United States Free Trade Agreement</td>
<td>Jayanthakumaran K</td>
</tr>
</tbody>
</table>
Burgess J  On Poverty: An Analysis of Income Poverty in Australia Using the First Two Waves of the HILDA Panel Survey


Perry J  Water, Population and Economic Growth

Serje E  A Study of Investor Speculation and the Sydney House Market

Shirlaw M  Productivity and Age: The Impact of Academic Economists from PhD Granting Public Institutions in the United States

Sullivan K  The Effect of EU Membership on the Polish Agricultural Sector

Tuck R  The Impact of Beauty on Academic Performance

ANNUAL REPORT 2004
Student Awards and Prizes

The following awards and prizes were presented to our outstanding students for 2004 at the Commerce Faculty Student Awards Presentation held on 21st April 2005.

**Dean's Research Award** - Mosayeb Pahlavani
Awarded for outstanding research output

**University Medal and Dean's Special Commendation Award** - Jane Olsen
Student who achieved highest overall marks in Bachelor of Commerce program, including First Class Honours.

**Wollongong City Council Prize** - Patthamika Pao-In
The student who has completed and achieved the highest average mark in the Master of Information Systems.

**SAS Institute Prize** - Benjamin Moller
The student who has achieved the highest average results in BUSS211 (Business Systems Development A) and BUSS212 (Business Systems Development B).

**InfoComp Prize** - Tak Lam
Candidates for the degree of Bachelor of Commerce with a major in Business Information Systems who have attained the highest aggregate mark for the subjects comprising the course, without failure, are eligible for this award.

**Illawarra Regional Information Service (IRIS)/Steinke Prize** - Bence Szabo
The student who has earned the highest mark (achieving a WAM of 75 or above) in 300 level Economics subjects during the same academic year (Autumn/Spring Session) and enrolled in at least 16 credit points of Economics 300 level subjects.
Kenneth A. Blakey Prize in Intermediate Microeconomics - Megan Coall
The student who attained the highest aggregate mark in ECON215 (Microeconomic Theory & Policy) on the Wollongong Campus in Summer, Autumn or Spring session of a given academic year.

Prize in Introductory Microeconomics - Anthony Flint
The student who attained the highest aggregate mark in ECON111 (Introductory Microeconomics) on the Wollongong Campus in Summer, Autumn or Spring session of a given academic year.

Prize in Intermediate Macroeconomics - Daniel Meiers
The student who attained the highest aggregate mark in ECON205 (Macroeconomic Theory & Policy) on the Wollongong Campus in Summer, Autumn or Spring session of a given academic year.

Pearson Education Australia Prize: Introductory Macroeconomics - Ryan Thomas
The student who attained the highest aggregate mark in ECON101 (Macroeconomic Essentials for Business) on the Wollongong Campus in Summer, Autumn or Spring session of a given academic year.

Pearson Education Australia Prize: Quantitative Methods I - Evan McSweeney
The student who attained the highest aggregate mark in ECON121/COMM121 (Quantitative Methods I) on the Wollongong Campus in Summer, Autumn or Spring session of a given academic year.
## 5. RESEARCH ACTIVITY

### Research Grants Held

<table>
<thead>
<tr>
<th>Name</th>
<th>Title of Project</th>
<th>Awarding body</th>
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<tbody>
<tr>
<td>Hasan H</td>
<td>Socio-technical determinants of agile, network-centric organisations</td>
<td>ARC Discovery Grant</td>
<td>$157,000</td>
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<tr>
<td>Hasan H</td>
<td>Systems to support knowledge creation in learning organisations</td>
<td>ARC Discovery Grant</td>
<td>$180,000</td>
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<tr>
<td>Hasan H</td>
<td>Smart Use of Information Technologies (SUITs)</td>
<td>ARC Research Network Seed Funding</td>
<td>$10,000</td>
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<tr>
<td>Jayanthakumaran K</td>
<td>Manufactured Exports: Australia</td>
<td>Faculty Research Grant</td>
<td>$3,300</td>
</tr>
<tr>
<td>and F Neri</td>
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<tr>
<td>Meloche J</td>
<td>The Modelling of Information Dissemination with the ICCMU Website, for evidence-based clinical guidelines</td>
<td>Faculty Research Grant</td>
<td>$5,900</td>
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<tr>
<td>Meloche J</td>
<td>Study of Intensive Care Coordination Health Information Services Unit: A Users Perspective</td>
<td>New Researcher Grant</td>
<td>$2,500</td>
</tr>
<tr>
<td>Pol E</td>
<td>Innovation Heterogeneity and Schumpeterian Growth Models</td>
<td>Faculty Research Grant</td>
<td>$3,654</td>
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<tr>
<td>Sun Z</td>
<td>Experience-based Reasoning: Models, Algorithms, and Simulations</td>
<td>Small Research Grant, UoW</td>
<td>$10,107</td>
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<tr>
<td>Name</td>
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<tr>
<td>Sun Z</td>
<td>Experience Management and Experience Based Reasoning Systems</td>
<td>New Researcher Grant</td>
<td>$2,500</td>
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<tr>
<td>Sun Z</td>
<td>Recognising Fraud and Deception in E-Commerce: Models, Algorithms and Applications</td>
<td>Faculty Research Grant</td>
<td>$1,000</td>
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<tr>
<td>Tran Van Hoa</td>
<td>ASEAN+3 and Impact on Australia-Vietnam Trade</td>
<td>ARC Linkage</td>
<td>$254,000</td>
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<tr>
<td>Tran Van Hoa</td>
<td>ASEAN+3 and Impact on Australia-China Trade and Investment</td>
<td>DEST-CHESI</td>
<td>$11,000</td>
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<tr>
<td>Vema, R</td>
<td>Savings, Investment, Economic Growth and Poverty in India</td>
<td>New Researcher Grant</td>
<td>$2,500</td>
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<tr>
<td>Ville S and D Merrett (Uni of Melbourne)</td>
<td>Business Profitability and Long Term Industrial Change in Twentieth-Century Australia</td>
<td>ARC Discovery Project</td>
<td>$70,000</td>
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<tr>
<td>Ville S and S Macintyre (Uni of Melbourne)</td>
<td>How Organizations Connect: Investing in Communication</td>
<td>Academy of Social Sciences of Australia</td>
<td>$4,400</td>
</tr>
<tr>
<td>Ville S and O Wicken (Uni of Oslo)</td>
<td>Institutions, innovation systems, and economic development: Australia and Norway</td>
<td>Internationalisation Committee, UoW</td>
<td>$6,500</td>
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<tr>
<td>Ville S and F Neri</td>
<td>The Impact of Social Capital on Student Academic Achievement at the University of Wollongong</td>
<td>Faculty Research Grant</td>
<td>$4,200</td>
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<tr>
<td>Vrazalic Land P Hyland</td>
<td>Development and Validation of Conceptual Models and Transferable Architectures to Support Self-Sustainable Community Portals</td>
<td>ARC Linkage Grant</td>
<td>$203,000</td>
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<tr>
<td>Name</td>
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<td>Wilson E</td>
<td>Analysing the Links Between Savings and Investment in China</td>
<td>International Links Grant</td>
<td>$6,500</td>
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<td>Scheme, UoW</td>
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<tr>
<td>Wilson E and R Verma</td>
<td>Productivity and Growth</td>
<td>Faculty Special Initiative Research Grant</td>
<td>$5,000</td>
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<tr>
<td>Zamani R</td>
<td>Investigation of Pickup &amp; Delivery Problems Using State Space Heuristic Search</td>
<td>Small Research Grants, UoW</td>
<td>$6,500</td>
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<tr>
<td>Zamani R</td>
<td>A Practical Approach of Scheduling Projects Under Multiple Resource Constraints</td>
<td>Faculty Research Grant</td>
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## Publications

### Journal Articles

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<tr>
<th>Author(s)</th>
<th>Title</th>
<th>Journal/Source</th>
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<tbody>
<tr>
<td><strong>Harvie C</strong></td>
<td>“The Australia-Korea Economic Relationship and Prospects for an FTA”</td>
<td>The Journal of the Korean Economy, 5, pp. 171-206</td>
</tr>
<tr>
<td><strong>Hasan H</strong></td>
<td>“Aligning KM Initiatives with Business Strategy”</td>
<td>Journal of Advancing Information and Management Studies, 1, pp. 1-16</td>
</tr>
<tr>
<td><strong>Hodgkinson A</strong></td>
<td>“A Best Practice Model of Regional Exporters”</td>
<td>Sustaining Regions, 3(3), Winter 2004, pp. 25-30</td>
</tr>
<tr>
<td><strong>Lewis D</strong></td>
<td>“Economic Evaluation of Health Care Programs”</td>
<td>The Australian Economic Review, 37, pp. 350-358</td>
</tr>
<tr>
<td><strong>Macgregor R</strong></td>
<td>“Factors associated with Formal Networking in Regional Small Business: some findings from a study of Swedish SME’s”</td>
<td>Journal of Small Business and Enterprise Development, 11, pp. 60-74</td>
</tr>
<tr>
<td>Authors</td>
<td>Title</td>
<td>Journal/Publication Details</td>
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<tr>
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<tr>
<td>Sanidas E</td>
<td>“A Holistic Model for the Emergence and Success of Entrepreneurs with Applications to Asian Countries”, Journal of International Business and Entrepreneurship, 2 (10) pp.113-128.</td>
<td></td>
</tr>
</tbody>
</table>


Books - Authored

MacGregor, R E-commerce Adoption in Regional SMEs in Australia (Tabled in Federal Parliament 2004).

Perera N Data Analysis with SPSS, Pearson Education Australia, Sydney.

Pol E An Introduction to Economics with a View to Innovation, Wollongong, Innovation Planet.

Pol E An Introduction to the Creative Economy, Wollongong, Innovation Planet.

Sun Z and G Finnie Intelligent Techniques in e-Commerce – A Case Based Reasoning Prespective, Springer Verlag, Berlin and Heidelberg.


Books - Edited

Book Chapters


Ville S  “Happy Days Mining the Bowels of the Car Park that Never was... and Never Should be”, in B Howarth & E Maidment (eds), Light from the Tunnel: Collecting the Archives of Australian Business and Labour at the Australian National University, 1953-2003. (Friends of the Noel Butlin Archives Centre, Canberra) pp 128-133.

Conference Presentations and Proceedings

Burgess J, J Lee and M O'Brien

Fan J

Harvie C

Harvie C

Hasan H

Hasan H

Hasan H

Hasan H, I Verenikina, and L Vrazalic

Hodgkinson A
Regional Development, Theory of the Firm and Industrial Relations. 12th Annual Conference of the International Employment Relations Association. Faculty of Business & Law, Central Queensland University, Rockhampton Qld, pp. 152-158.
<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Title and Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lee B</td>
<td>SME Networks and Innovation, Proceedings, Third International Conference on SMEs in a Global Economy. MEDEC, Universiti Teknologi, Malaysia, pp. 305-314.</td>
</tr>
<tr>
<td>Lewis D, M O’Brien, S Rogan, and B Shorten</td>
<td>“Do Students Benefit from Supplemental Instruction? Evidence From a First Year Statistics Subject for Commerce Students”, paper presented to the Economic Education What We Teach and How We Teach It: Perspectives on Economics from Around the Globe, Adelaide, July 14-16.</td>
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<td>Author(s)</td>
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<tr>
<td>Meloche J and M Mok</td>
<td>Local Perspectives on the Nature of Small and Medium Size Enterprises with Specific Reference to what Differentiates them from Large Enterprises. International Society for the Scientific Study of Subjectivity, Athens Georgia, USA.</td>
</tr>
<tr>
<td>Sanidas E</td>
<td>A Holistic Model for the Emergence and Success for Entrepreneurs with Applications to Asian Countries. Proceedings: Third International Conference on SMEs in a Global Economy. MEDEC, Universiti Teknologi, Malaysia, pp. 557-573.</td>
</tr>
</tbody>
</table>
Sun Z and G Finnie  

Sun Z and J Li  

Sun Z, J Han, and X Li  

Sun Z, J Barker and G Finnie  

Tran Van Hoa  

Ville S  

Ville S  
‘The Internationalisation of Australian Business’, Symposium, University of Melbourne.

Ville S  

Ville S  

Ville S  
‘Social Capital Formation in Australian Rural Communities: the Enhancing Role of the Stock and Station Agent’, EHSANZ and AHA Conference, University of Newcastle, July pp. 1-4.
Ville S  
‘Business Profitability and Capital Shifts in Interwar Australia’,  
‘Taking Care of Business’, Management History Symposium,  
University of Sydney, November pp. 1-9.

Vrazalic L  

Vrazalic L  

Vrazalic L, P Hyland, P and A Unni  

Warne L, C Pascoe, and I Ali  
Painting a Rich Picture: the Use of Qualitative and Quantitative Methods to Study Social Learning at the Australian Defence Organisation, Proceedings of the Qualitative Research in IT and IT in Qualitative Research, pp. 1-7.

Wilson E and R Verma  

Wilson E and DP Chaudri  
Working Papers

Chowdhury K  ‘Convergence of Per Capita GDP Across SAARC Countries’, UoW Economics Discipline WP04-07.


Harvie C  ‘East Asian SME Capacity Building, Competitiveness and Market Opportunities in a Global Economy’, UoW Economics Discipline WP04-16.


Levy A  ‘Should They Be Enlisted at Eighteen Years of Age?’, UoW Economics Discipline WP04-04.

Levy A and J Faria ‘A Lean-Against-the-Wind Rule for Controlling Low-Skill and Illegal Immigration’, UoW Economics Discipline WP04-03.


O’Brien M ‘Structural Change and the Older Male Worker in Australia’, UoW Economics Discipline WP04-01.


Sun Z and G Finnie ‘Experience based Reasoning’, Faculty of Information Technology TR04-01, Bond University.

Sun Z and G Finnie ‘A Fuzzy Logic Approach to Experience-Based Reasoning’, Faculty of Information Technology TR04-02, Bond University.


Ville S ‘Social Capital: An Insight Revealed or a Concept Too Many Economics’, UoW Economics Discipline WP04-05.
Book Reviews


Harvie C Hong W, Catch up and Crisis in Korea, published by Edward Elgar, The Journal of the Korean Economy, Vol. 5, No. 2, Fall.


School Seminar Program: Economics Discipline

Prema Chandra Athukorala (ANU) Multinational Enterprises and Manufactured Exports from Developing Countries: Emerging Patterns and Opportunities for Latecomers.

Nicholas Coppel (DFAT) South-South Trade: Winning from Liberalisation.


Marion Kohler (RBA) Impact of Superannuation on Household Saving.

Peter Siminski (UNSW) Housing Costs, Imputed Rent & Income Distribution.


Simon Ville Social Capital: An Insight Revealed or a Concept Too Many?

Patrizia Tiberi Vipraio (Uni of Udine, Italy) Italian Districts under Stress: Risks and Opportunities from EU Enlargement.

## School Seminar Program: Information Systems Discipline

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
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<tbody>
<tr>
<td>Helen Hasan, Kate Crawford, Ray Stace, Ann Melano</td>
<td>Innovative Modular Learning in Information Systems (Joint SEIS - CEDIR Seminar).</td>
</tr>
<tr>
<td>Hong Cheu Liu</td>
<td>Safety of Formulas and Domain Independence in Web Query Languages.</td>
</tr>
<tr>
<td>Joseph Meloche and Michelle Mok</td>
<td>Information Systems Work Activity as a Keystone Activity - The Importance of Metaphor.</td>
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### Staff Research Interests

<table>
<thead>
<tr>
<th>Name</th>
<th>Research Interests</th>
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</thead>
<tbody>
<tr>
<td>Ang A</td>
<td>Information systems education and skill requirements of IS professionals; Attitudes towards software piracy.</td>
</tr>
<tr>
<td>Corin L</td>
<td>E-Learning and Legal Information Systems</td>
</tr>
<tr>
<td>Crawford K</td>
<td>Organisational learning, The integration of information and communication technologies, Knowledge Management (KM), Communities of Practice; Cultural-Historical Activity Theory (CHAT), Emergence, Innovative and complexity.</td>
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<tr>
<td>Ditsa G</td>
<td>Strategic management and the development of Information Systems in organisations.</td>
</tr>
<tr>
<td>Fan J</td>
<td>Solving the flow-shop scheduling problems by using intelligent heuristic search methods; intelligent agents for data mining; web-based system development; software system for wireless technology; intelligent system for logistic application; and supply chain management.</td>
</tr>
<tr>
<td>Guest J</td>
<td>Applied econometrics and macroeconomic policy in small Pacific island economies and Australia.</td>
</tr>
</tbody>
</table>
Harvie C  Modelling economic and monetary integration in East Asia; economic transition in Vietnam and China; Entrepreneurialism and SME development in a regional and national context.

Hasan H  Information for strategic decision-making: Executive Information Systems (EIS) and OnLine Analytic Processing (OLAP); Human Computer Interaction (HCI) and Usability; Knowledge Management (KM), KM Systems and online Communities of Practice; Cultural-Historical Activity Theory (CHAT); Interpretive Research Methods - Action Research, Qualitative Data Analysis

Hodgkinson A  Organisational Change in response to international market conditions; Employee Participation; Regional development of Exports; small and medium enterprises.

Jayanthakumaran K  Trade reforms and manufactured exports in Australia, Automobile industry in Australia, ASEAN Free Trade Area, India’s re-entry in the global trade.

Larkin P  Application of Activity Theory to the analysis and modelling of business processes and other aspects relating to the use of Information Systems in large government organisations.

Lau S  Application of heuristic learning approach and business optimization techniques to solve business problems, in particular in the areas of logistics application and supply chain management.

Lee B  Trust and privacy issues in electronic commerce; small and medium-sized enterprises; innovation.

Levy A  Theoretical analysis of individual decisions on health issues; theoretical analysis of economic growth, inequality, migration and social and political stability; Industrial pollution, urban environment and residents' well being.

Lewis D  Economics of health care, education and labour markets.

MacGregor R  Acquisition and Use of Information Technology (IT) and Electronic Commerce (EC) in Small/Medium Enterprises (SME’s).

McKee J  Information architectures; the economics of information and the role of regional web sites in promoting commerce.

Meloche J  Information Seeking Activity: HCI and Knowledge Management
The Application of Q Methodology and Activity Theory

Neri F  The causes of economic growth across countries; the impact of human capital on economic growth; geographic mobility of industry, human capital and economics growth; Economics education: Practices and outcomes.

O’Brien M  Older worker employment issues; ageing society policy; hidden unemployment; segmented labour market theory; econometrics.

Perera N  Money and finance; income distribution and poverty: macroeconomic model building.

Pol E  Innovation and economic growth with a view to policy implications.

Rodgers JL  The incidence and causes of poverty and economic inequality; Labour market behaviour and human capital formation; History of microeconomic theory.

Rodgers JR  Labour Economics; Poverty and Economic Inequality; Applied Microeconomics.

Sanidas E  Economic growth and organizational innovations; Evolutionary economics; Quantitative analysis; econometrics; International economics.; Entrepreneurship and theory of the firm.

Shorten B  Economic and clinical evaluation of recent changes in private health insurance in terms of obstetric outcomes in Australian hospitals; Economic evaluation of the decision regarding elective caesarean section or trial of labour following previous caesarean birth.

Sun Z  E-Commerce and E-Business; IT E-Strategies; Intelligent Techniques in E-Commerce; Agent Based Computing; Case-based Reasoning; Web Intelligence and Web Engineering; Knowledge Management and Experience Management; Experience-based Reasoning; Recognition of Fraud and Deception in E-Commerce
Tran Van Hoa  |  Econometrics; applied econometrics; development economics; ASEAN economics; international business; competition policy; household production; gender discrimination in Asia; WTO and regional free trade agreements

Vema R  |  Macroeconomics; Applied Econometrics; South Asian Countries

Verrucci N  |  Indigenous Australians and their labour market participation; Gender and the labour market; The role of government in developing policies to protect minority groups from labour market discrimination.

Ville S  |  Corporate leadership in Australia; business profitability; social capital; institutions and economic development; industry associations; interorganisational collaboration.

Vrazalic L  |  Human Computer Interaction (HCI), including Usability evaluation methods (UEMs); the application of cultural Historical Activity Theory to HCI; Drivers and barriers to electronic commerce adoption in small to medium enterprises (SMEs); Determinants of social capital in online communities

Warne L  |  Organisational learning; socio-technical information systems development; requirements analysis for socio-technical systems; organisational behaviour, change management and project management, Power and politics in information systems development, Ethnographic methods.

Wilson E  |  Economic growth and poverty; agricultural policies in India; savings and investment in Australia, India and China; productivity growth and employment creation in developing countries.

Zamani R  |  Intelligent Routing; Resource Constrained Project Scheduling Problem (RCPSp); and Meta Heuristics.
6. OUTREACH AND ADMINISTRATION

Ang A
Member of SEIS Information Resources Committee; Library Liaison for the IS Discipline

Ditsa G
Member of the Editorial Review Boards for the Information Resources Management Journal and the Journal Global Information Management
Member of the Editorial Advisory Board and reviewer for the annual casebook, Annals of Cases on Information Technology Applications and Management in Organisations, published in the USA
Reviewer for Australian Journal of Information Systems, IRMA international conference papers, ACIS conference papers; Track Chair & Program Committee member for IRMA international conferences
Session Chair at IRMA international conferences
Coordinator of Discipline’s seminar series program
Member of the Discipline’s Local Undergraduate Recruitment working group
Member of Programming Subjects Review Committee

Fan J
Postgraduate coordinator for the Information Systems discipline for 2004
Chair for Information Resources Committee for School of Economics and Information Systems
Member of the Faculty Research Committee
Member of the Faculty Education Committee
Faculty of Commerce representative to Faculty of Informatics
Reviewer for the Australasian Journal of Information Systems
Reviewer for the Fourth International Conference on Computer and Information Technology 2004, (CIT2004)
Co-chair for the Research Workshop on “Supply Chain Management”, 2004

Harvie C
Director of Research, Hunter Valley Research Foundation
Co-director, Centre for SME Research and Development
Associate Editor, the Journal of the Korean Economy Organisation committee member for the SMEs in a Global Economy Conference, Kuala Lumpur Malaysia, 6-7 July 2004
Hasan H  
Member of the committee for the Australian KM Standard and the SME committee of Standards Australia  
Chair of the board of CTC@Ulladulla  
Co-Chair of the ISCAR2005 Regional Conference  
Workshop Chair of OZCHI2005  
Invited keynote, AIAST Conference, Goulburn. “DSS and KM: Challenges and Pitfalls”  
Standards Australia KM Committee article for Journal of Knowledge Management Research & Practice “The spotlight on KM Standards: Developments in Australia”  
Special Report to ISO Management Systems 2004-02 with Victor Lee “Managing knowledge as a strategic business asset”  
Director of the Star Group on KM  
Directory of the ATUL Usability Laboratory  
Member of the ACPHIS, the Australian council of Professors and Heads of Information Systems  
Member of AAIS and ACS

Hodgkinson A  
Acting Head, School of Economics and Information Systems  
Faculty Representative, Academic Staff Development Committee  
Co-convenor 28th ANZRSAI Conference, Wollongong 28th September- 1st October  
Editor, Non-refereed Proceedings, The Regional Development Cocktail- shaken not stirred, ANZRSAI Conference, Wollongong 28th September- 1st October  
Editor, Refereed Proceedings, The Regional Development Cocktail- shaken not stirred, ANZRSAI Conference, Wollongong 28th September- 1st October

Jayanthakumaran K  
Postgraduate Advisor

Larkin P  
Member of the Commerce Faculty Investigation Committee
Lau S  
Election Sub-Committee on Australasian Chapter of Association of Information Systems  
Workshop Convener for Workshop on Supply Chain Optimisation and Electronic Markets, Decision Systems Laboratory  
Co-Convener for Decision Systems Laboratory Research Student Information Evening.

Lee B  
Joint Coordinator, Economics Working Paper Series  
Co-Director, Centre for SME Research and Development  
Member of organising committee, Conference on SMEs in a Global Economy: Economic Resilience in East Asia - The Role of SMEs and Stakeholders, 6-7 July 2004, Kuala Lumpur, Malaysia

Levy A  
Chair, School Research Committee  
Co-ordinator, Economics Seminar Series

Liu H-C  
Program committee member for The 4th International Conference on Computer and Information Technology (CIT2004), Wuhan, China, 14-16 September 2004  
Program committee member for The 7th Asia Pacific Web Conference (APWeb’05), Shanghai, China, 28-31 March 2005.  

MacGregor R  
Editor of The Australian Journal of Information Systems.

McKee J  
Secretary – Illawarra Branch of the Australian Psychological Society  
Director of the Business Improvement Centre within Information Systems Discipline  
Secretary – UOW Social Club

Meloche J  
Editor Information Systems Working Paper Series  
Member, ICCMU Clinical Information Group

Neri F  
Economics Honours Coordinator  
Commerce representative on the Quality Assurance Sub-committee of the UEC.

Perera N  
Postgraduate co-ordinator for the Economics discipline for Spring 2004
Rodgers JL

Undergraduate advisor (to December 2004)
Refereed articles for the following journals
Australian Journal of Labour Economics
and The Journal of Economic Education

Rodgers JR

Coordinator, Commerce Dean's Scholars Program
Member of committee recruiting for the following positions in the Faculty of Commerce: Associate Professor, Senior Lecturer, Lecturer B and Lecturer A in Management.
Referee articles for the following journals
Australian Journal of Labour Economics, Social Science Quarterly
Chair, Department of Economics Undergraduate Studies Committee

Sanidas E

Participation in the International Friendship program

Sun Z

Membership of The IEEE Society (MIEEE)
Associate Member of the Australian Computer Society (AACS)
Co-chair the session of Knowledge Processing and Management at International Conference on Hybrid Intelligent Systems (HIS 2004), Kitakyushu, Japan 6-8 Dec 2004

Tran Van Hoa

Coordinator, Vietnam Focus and ASEAN+3 Research Program
Executive Member: Asia Pacific Economic Forum (APEF)
Director, Economics International Committee
Vietnam UOW Alumni Association
NSW-Vietnam Chamber of Commerce
Victoria Institute of International Studies Asia Pacific Economic Association (APEA), Program Committee
Honorary Professor, National Economics University, Vietnam
Honorary Professor, National Advanced Training Institute, Vietnam Ministry of Trade

Verma, R

Undergraduate Advisor

Verrucci N

Sub Dean, Faculty of Commerce
Member of University of Wollongong Council

ANNUAL REPORT 2004
Ville S  President and Executive Member of Economic History Society of Australia and New Zealand

Media:

The Australian (Interview – future of Economic history in Australia, 2004).

University of Auckland Centre for Flexible and Distance Learning - Australian business history and stock and station agent industry, Oral history interview, 2004).


ABC Television – (Historical programme consultancy and participation for Outbackhouse, 2004)

PhD examining: Sydney, Macquarie, Auckland, Massey.

Vrazalic L  Commerce Representative, Academic Senate

Deputy Chair, School of Economics & Information Systems Research Committee

Information Systems Representative, Faculty Research Committee

Information Systems Representative, Faculty Information Technology Advisory Committee

Commerce Representative, University Information Technology Forum (IT Forum)

Presenter, Discovery Days 2004

Conference Co-Chair, OZCHI 2004

Sponsorships Chair, OZCHI 2004

Judge, Gitte Lindgaard Best Paper Award (OZCHI 2004)

Referee for Australasian Journal of Information Systems (AJIS)

Supply Chain Management Journal; CHI 2004; Australian Conference on Information Systems (ACIS)

International Committee Member, International Workshop on Internationalisation of Products and Systems (IWIPS 2004)

One City, One Site (OCOS) Pilot Project Facilitator (NSW Office of Information and Communication Technology)

ComputerWorld and MIS Australia articles - Co-author with Rob MacGregor

Wilson E  Head of the Economics Discipline

Member the E-Learning and Teaching Innovation Subcommittee and Academic Senate

Chief Examiner and Chair of the HSC Examination Committee, NSW Board of Studies

Member of Council of the Economics Society of Australia – NSW Branch

Judge of the Best Paper Presented by a PhD Candidate, 33rd Conference of Economists, University of Sydney

Economic Society of Australia
Zamani R
Assistant Undergraduate co-ordinator for the Information Systems
Committees: Faculty Postgraduate Committee; Information Systems (AAIS)
Referee/Reviewer of Journal of OR Quarterly, OMEGA, and AJIS