

CENTRE FOR STRATEGIC
ECONOMIC STUDIES

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1. Introduction

The Centre for Strategic Economic Studies was established in 1993, and over time has developed a reputation for producing high quality research outputs in applied economics with a focus on globalisation and the development of the knowledge economy, together with the implications of these trends for economic, social and political change. The Centre has also built a strong program in research training at the doctoral level, with more than twenty students being supervised for the PhD and DBA degrees at any one time.

The major factor affecting the Centre's operations since 2006 has been working towards the challenging set of increased research output targets agreed with the Vice Chancellor, in return for the University's investment in the Centre's research activities of \$3.25m over the period 2006 to 2010 from a total allocation of \$15m under the University's Priority Research Initiatives Program (PRIP). This has implied increased efforts to improve the quality of the Centre's research and research training, and to develop CSES as a sustainable centre of international standing. Strong support has also been provided to these activities by the Faculty of Business and Law.

Four themes have emerged from the Centre's work to date as of particular importance in the global knowledge economy:

- the central role of health, in terms of human welfare, technological change and economic growth;
- the pervasive economic, industrial and social outcomes arising from new technologies such as information technologies, biotechnologies and nanotechnologies
- the impact of rapid global growth on the environment and the climate, and the technological and policy responses to it; and
- increasing diversity at the regional and individual level, as economic returns concentrate increasingly on those who possess or can access knowledge.

These four themes define the four areas for the Centre's development activity in PRIP, the key objective of which is to build a centre of excellence, of international scale and quality, by 2010. Work in these thematic areas is, as a matter of necessity, supported by a broader range of capabilities concerning the economics of growth, trade and welfare.

In seeking to achieve this objective a number of key imperatives have been identified:

- to develop core intellectual strengths in which CSES can be globally competitive;
- to grow in an organic manner from the existing base, and hence to strengthen the capabilities and performance of that base;
- to develop critical alliances and partnerships to support growth, both externally and within the University and particularly within the Faculty of Business and Law; and
- to recruit top people in the core areas, preferably with good links internationally and with proven records in both research and achieving competitive grant funding.

The year 2009 was a year in which good progress continued to be made in these various areas. Much effort continues to be put into improving the quality of the Centre's research activities and outputs, especially outputs in the form of articles in highly ranked journals. This is inevitably a slow process, both because of the time necessary for good research and because of the delays inherent in the journal refereeing process. But there are good signs of progress,

both in the publications data and in the number of papers under consideration by highly ranked journals.

Journal articles and other publications are detailed in the Section 3.2 and the Appendix which provides a comprehensive list of the Centre's research output. Table 1.1 uses two different ranking systems – ISI and ERA – to provide data on the journals in which CSES staff published in 2009. Of the 29 journal articles published in 2009, 8 (28%) had an ERA A ranking 11 and (39%) were in journals with an ISI ranking. Staff of the Centre are being encouraged to publish where possible in A and A* journals, and are being supported in the attempt to do so.

Table 1.1 Measured quality of CSES refereed journal articles 2009

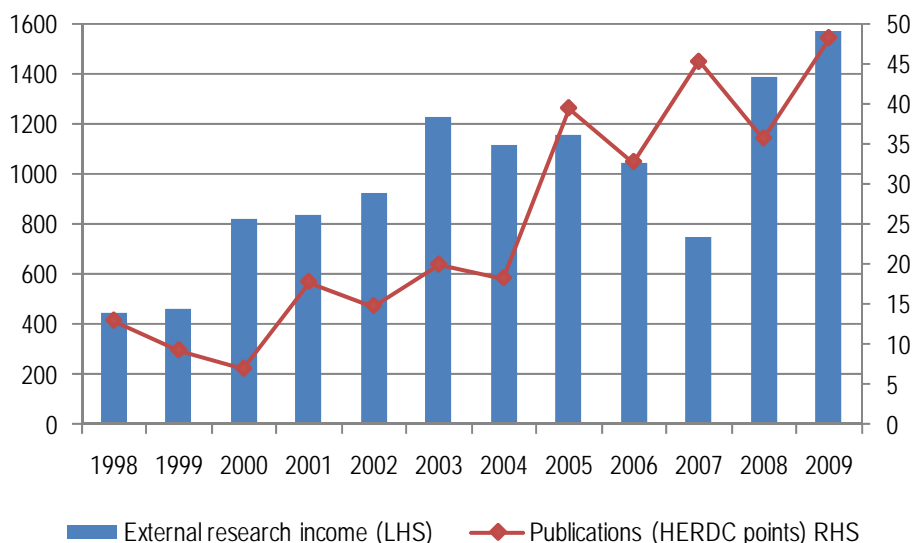
	2008	2009
Total number of refereed articles	20	29
Total number with no rank	8	4
ISI ranked	7	11
ERA Ranking		
A	5	8
B	4	10
C	3	5

Note: Some articles have both ISI and ERA rankings. See Section 3.2 for complete listing.

Source: For 2008, ERA Ranking 2008: draft ERA ranking list <http://research.vu.edu.au/ordsite/management/ERArankings.xls>; for 2009, ERA Ranking 2009 is from list released by ARC in 2010; ISI Ranking for 2008 and 2009 is from Web of Knowledge Journal Citation Report 2007 and 2008, respectively.

Increasing external research income is another key focus of the Centre. While a proportion is sourced from competitive grants, a large proportion comes from contract research for a client base that ranges from CRC's to government departments and industry. The Centre's key performance indicators are summarised in Table 1.2 and Chart 1.1. As the Centre develops there is a continuing tension between the demands of building a high quality research base and those of identifying and carrying out a large volume of funded contract research (see Chart 1.1). Considerable effort is being put into attracting competitive grants, with welcome support from the Faculty's Research Facilitation Unit. The ongoing efforts to increase the volume and quality of journal articles published should also improve the Centre's competitive grant performance in the medium term.

Chart 1.1 CSES publications and external research income



In 2009 research income continued to recover from the dip in 2007 to total \$1,576,000, up 13.7% on 2008. The total number of publications increased by about one third with as noted above an increasing emphasis on high quality journal articles. The indications are that both dimensions will improve further in 2010 and into the future.

The Centre acknowledges that it will be important, in meeting the milestones of the PRIP, that external research income is increased along with research quality. Accordingly the Centre has increased its efforts on the submission of high quality, well focussed grant applications and continues to pursue major international projects with its collaborating and funding partners.

In 2009, the Centre made two important strategic additions to its staff, to bolster its capacities in climate change and labour economics, with the appointment of Prof Roger Jones from the CSIRO Climate Change group and Prof Bob Gregory (part time) recently retired from ANU. Bob Gregory has been one of Australia's leading economists, a former Reserve Bank Board member and well known for the eponymously named 'Gregory Effect'. Roger Jones is one of Australia's most prominent climate change experts and was a Coordinating Lead Author for the IPCC's Fourth Assessment Report. Both have a particularly good publication track record including a number of articles in A* and A rated journals.

Graduate supervision has been further expanded and attention continued to be paid to upgrading the skills and output of existing staff. Table 1.2 below shows that overall publications (as measured by HERDC points) were 48.26 in 2009, with 21 PhD and 10 DBA students (23 on an EFT basis) studying in the Centre. There were 7 PhD completions in 2009, and 5 are expected to be finalized in 2010.

Table 1.2 CSES summary of key performance indicators

Year	Ext. research income ('000)	Publications (HERDC pts)(a)	Research staff (FTE)	Research students (FTE)
2001	838	17.83	7.5	17.5
2002	923	14.83	8.7	17.5
2003	1227	20	8.3	12.5
2004	1122	18.3	8.8	12.8
2005	1157	39.5	10	20.5
2006	1049	32.8	10.6	23
2007	752	45.3	14.7	25
2008	1386	35.75	15.7	20.2
2009	1576	49.26	19.1	23

Notes: (a) Source for 1998-2008 is VU Office for Research. 2009 is CSES estimates. Does not include CSES Research Associates.

2. Income

2.1 External research income (according to DIISR categories)

External research income was \$1,576,000 in 2008, up 14% on 2007. A major component of this amount was \$400,000 received from the Department of Climate change for a joint project with the Chinese Energy Research Institute (ERI) on *More Sustainable Energy Use in China: Economic Structure and the Application of New Technologies*. The funding follows more than a year of discussion with the Chinese and Australian governments, with agreement finally reached following meetings between the two Ministers for Climate Change. The ERI forms part of the National Development and Reform Commission and accordingly its policy advice is received by the highest levels of the Chinese Government.

The Centre received a total of almost \$360,000 from three ARC Linkage Grants. One led by Assoc Professor Danny Ben Moshe is studying Australian diasporas and the 'brain gain'. Professors Jimmy Tran and Peter Sheehan, together with Dr Lich of the Vietnamese Institute of Trade are investigating the regional impact of China's exports to East Asia. Dr Sally Weller, with colleagues from the Monash and the University of Sydney, is studying the destinations of exiting farm families.

As in the previous years, health related research provided an important foundation, generating funding of about \$100,000. The core of expertise developed within the Centre on health and the pharmaceutical industry attracts a range of projects from a number of funding sources. This includes a series of projects for Medicines Australia on the PBS, continued work on a major report for the APEC Life Sciences Innovation Forum, with significant funding expected in 2010, and the two year Chronic Disease Management Network (CDM Net project) with Monash and Deakin Universities.

Prof Houghton's ongoing work, on the benefits of 'open access' for research publications, continues to attract international attention. Following the release of the report commissioned by the Joint Information Systems Committee (JISC) in the UK, Prof Houghton has been asked to complete similar studies for Germany (with DfG), Netherlands (with the SURF Foundation), Denmark (with DEFF) and the US (with SPARC). Research income from these projects totalled about \$160,000 in 2009.

Income from the university includes \$650,000 from PRIP, payment for graduate supervision and a range of research incentive schemes established by the University and the Faculty. The Centre has also been engaged by the Vice Chancellor to undertake a range of projects. The largest in 2009 was for the Updating Melbourne's West report. The work, led by Dr Bruce Rasmussen, was jointly funded by the Departments of Innovation Industry and Regional Development (DIIRD) and Planning and Community Development (DPCD). Details are provided in Table

Table 2.1 External research income and income from the University 2009 (\$'000)

CSES Income	2009
University Internal Income	1,277
External Grants (ARC)	359
Other External Research Income	1,217
Total Income	2,853

2.2 Expenditure on infrastructure

The total expenditure on direct infrastructure – data, publications, software and equipment – within the Centre in 2009 is detailed below. The table excludes the personnel component of infrastructure expenditure. As in previous years, CSES investment in information sources is a significant cost item. This includes access to some large international databases, which are routine for well funded research units overseas. They are essential to the quality of the Centre's research. The Centre received \$25,000, a significant reduction on previous years, from the RIGB towards these costs.

Table 2.2 CSES research infrastructure expenditure 2008 and 2009 (\$)

	2008	2009
Information resources	20,715	38,178
Computer equipment	12,775	12,398
Computer software	25,338	25,600
Total	58,829	76,176

2.3 Income from the University

Table 2.1 includes income from the University totalling \$1,277,000 (see Table 2.1). Table 2.3 below presents the details of this income. The University receives substantial income from the Australian Government as a result of the outcomes (research income, publications, graduate teaching and doctoral completions), and a share of that income is provided to the Centre under standard University-wide arrangements. The Centre also receives funding from teaching from fee-paying students, as well as a generous annual grant from the Faculty of Business and Law. As shown in Table 2.3, excluding the PRIP funding receipts from University sources totalled \$627,000.

Table 2.3 CSES income from the University (\$)

	2009
PRIP	650,000
Teaching & training	158,977
RIGB	25,000
FOBL support	100,000
VU research support	65,000
Directors payment	75,000
Faculty research incentive scheme	113,000
Post doctoral Fellow	23,304
Reports for the University	46,000
Other	20,719
Total	1,277,000

3. Outputs

Although the Centre has placed an increasing emphasis on high quality refereed journal publications, much of the output of the Centre is in the form of research reports written under contract for various agencies, as well as publications in books and conference presentations. The income from contract research helps to support those outputs that count as such for DEST purposes (e.g. refereed publications and supervision of PhD students). Section 3.2 presents refereed journal articles with their ranking and a full CSES publications list and research activities are presented in the Appendix.

3.1 CSES total weighted DIISR publications 2009

Table 3.1 CSES publications HERDC points 2009*

Type of publication	Number	HERDC points (est.)
Books	2	6.66
Chapters in books	4	4.00
Journal articles, refereed	29	25.52
Conference papers, refereed	16	<u>13.08</u>
TOTAL points		49.26

Note: *CSES estimates. Detailed list of journal articles is in Section 3.2 following. For other categories, see Appendix.

3.2 Evidence of strong quality dimension within the published output

The table below provides details of the quality dimension of CSES refereed journal articles for 2009. DEST points, ISI ranking and ERA rankings are also given.

Article details	DEST points (est.)	ISI Impact Factor	ERA Ranking ¹
1. Ahmed, A. and Suardi, S. 2009, 'Macroeconomic volatility, trade and financial liberalisation in Africa', <i>World Development</i> . ISSN: 0305-750X.	0.5	1.392	A
2. Ahmed, A.D. and Tran Van Hoa 2008, 'South Africa-Australia trade: Substantive evidenced and implication for growth, trade and economic relations policy', <i>Asia Pacific Journal of Economics and Business</i> , vol. 12, no. 2, pp. 64-84. ISSN: 1326-8481. Published July 2009.	1	-	B
3. Austin, J., Zhang, L., Jones, R., Durack, P., Dawes, W. and Hairsine, P. 2009, 'Climate change impact on water and salt balances: an assessment of the impact of climate change on catchment salt and water balances in the Murray-Darling Basin, Australia', <i>Climatic Change</i> , online, DOI 10.1007/s10584-009-9714-z. ISSN 0165-0009	0.167	3.202	A
4. Cheng, E. and Li, R. 2009, 'Community development fund: A new vehicle for poverty alleviation in China', <i>Public Finance and Management</i> , vol. 9, no. 1, pp. 37-75. ISSN: 1523-9721.	0.5	-	-

¹ ERA rankings source is ARC 2010.

5.	Houghton, J.W. and Sheehan, P. 2009, 'Estimating the potential impacts of open access to research findings', <i>Economic Analysis and Policy</i> , vol. 39, no. 1, pp. 127-142. ISSN 0313-5926.	1	-	C
6.	Houghton, J.W. 2009, 'ICT and the environment in developing countries: An overview of opportunities and developments', <i>Communications and Strategies</i> , vol. 76, no. 4, pp. 39-60. ISSN 1157-8637	1	-	-
7.	Huang, Z., Liu, X. and Cheng, E. 2009, 'Explanations for the low participation rate in the formal credit market by rural households in poor areas', <i>Economic Research Journal</i> , vol. 4, no. 492, pp. 116-128. ISSN 0577-9154.	0.66		
8.	Kirono, D.G.C., Jones, R.N. and Cleugh, H.A. 2009, 'Pan-evaporation measurements and Morton-point potential evaporation estimates in Australia: Are their trends the same?', <i>International Journal of Climatology</i> , vol. 29, no. 5, pp. 711-718. ISSN 0899-8418.	0.333	1.971	A
9.	Lichtenberg, F.R., Grootendorst, P., Van Audenrode, M., Latremouille-Viau, D. and Lefebvre, P. 2009, 'The impact of drug vintage on patient survival: A patient-level analysis using Quebec's provincial health plan data', <i>Value in Health</i> , vol. 12, no. 6, pp. 847-856. ISSN 1098-3015.	0.2	3.009	B
10.	Lichtenberg, F.R. 2009, 'International differences in cancer survival rates: The role of new drug launches,' <i>International Journal of Healthcare Technology and Management</i> , vol. 10, no. 3, pp. 138-155. ISSN 1368-2156.	1	-	C
11.	Lichtenberg, F.R. 2009, 'The effect of new cancer drug approvals on the life expectancy of American cancer patients, 1978-2004', <i>Economics of Innovation and New Technology</i> , vol. 18, no. 5, pp. 407-428. ISSN 1043-8599.	1	-	B
12.	Lichtenberg, F.R. 2009, 'Have newer cardiovascular drugs reduced hospitalization? Evidence from longitudinal country-level data on 20 OECD countries, 1995-2003', <i>Health Economics</i> , vol. 18, no. 5, pp. 519-534. ISSN: 1057-9230.	1	1.994	A
13.	Lichtenberg, F.R. 2009, 'Life-expectancy gains from pharmaceutical drugs: a critical appraisal of the literature', Letter to the editor, <i>Expert Review of Pharmacoeconomics and Outcomes Research</i> , vol. 9, no. 6, pp. 499-504. ISSN 1473-7167.	1	-	C
14.	Lichtenberg, F.R. and Waldfoegel, J. 2009, 'Does misery love company? Evidence from pharmaceutical markets before and after the Orphan Drug Act', <i>Michigan Telecommunications and Technology Law Review</i> , vol. 15, pp. 335-357, available at http://www.mtlr.org/volfifteen/lichtenberg&waldfoegel.pdf ISSN: 1528-8625.	1	-	B
15.	Liddle, B. 2009, 'Electricity intensity convergence in IEA/OECD countries: Aggregate and sectoral analysis', <i>Energy Policy</i> , vol. 37, no. 4, pp. 1470-1478 at: http://dx.doi.org/10.1016/j.enpol.2008.12.006 ISSN: 0301-4215.	1	1.755	B
16.	Liu, X. and Cheng, E. 2009, 'Credit constraints for households in China's poor rural areas: An empirical study based on the credit rationing model', <i>Chinese Rural Economy (Monthly)</i> , no. 6, pp.37-50. ISSN 1002-8870.	1	-	C
17.	Liu, X., Huang, Z. and Cheng, E. 2009, 'Farmers' demand for formal credit in the poor areas: Direct identification and empirical analysis', <i>Journal of Financial Research</i> , April, no. 346.	0.66	-	-
18.	Messinis, G. 2009, 'Earnings and languages in the family: Second-generation Australians', <i>The Economic Record</i> , vol. 85, Special Issue, pp. S59-S73. ISSN 0013-0249.	1	0.760	A
19.	Rashid, K. and Islam, S. 2009, 'Capital structure and firm performance in the developed financial market', <i>Corporate Ownership and Control</i> , vol. 7, no. 2, pp. 189-201. ISSN 1727-9232.	1	-	B
20.	Sweeny, K. 2009, 'The impact of copayments and safety nets on PBS expenditure', <i>Australian Health Review</i> , vol. 33, no. 2, pp. 215-230. ISSN: 0156-5788.	1	-	C

21. Syurkani, I. and Ahmed, A. 2009, 'Inflation expectations and rationality: Evidence from Indonesian survey data', <i>Economics and Finance in Indonesia</i> , vol. 57, no. 3, pp. 255-275. ISSN 0126-155X	2	-	C (ERA Ranking list 2009)
22. Syurkani, I. and Ahmed, A. 2009, 'Inflation expectations formation and financial stability: Evidence from Indonesia', <i>The Empirical Economics Letter</i> , vol. 8, no. 9. ISSN 1681-8997	1	-	C
23. Tegart, G. 2009, 'Energy and nanotechnologies: Priority areas for Australia's future', <i>Technological Forecasting and Social Change</i> , vol. 76, pp. 1240-1246. ISSN 0040-1625.	1	1.761	A
24. Tran Van Hoa 2009, 'Impact of official development assistance on developing Asia's growth: A substantive econometric study for policy analysis', <i>Journal of Quantitative Economics</i> , vol. 7, no. 2, pp. 120-133. ISSN 0971-1554.	1	-	B
25. Van Hulten, A and Webber, M. 2009, 'Do developing countries need 'good' institutions and policies and deep financial markets to benefit from capital account liberalization?', <i>Journal of Economic Geography</i> , vol. 10, pp. 283-319. ISSN: 1468-2702.	0.5	2.932	A
26. Wattanakul, T. 2009, 'Impact of openness, economic policy reform and regional shocks on trade and growth of Thailand: An econometric study', <i>Chinese Business Review</i> , vol. 8, no. 1, pp. 17-30. ISSN 1537-1506.	1	-	-
27. Weller, S.A. 2009, 'Failure and strategic projects: Australia's Asia-Pacific vision', <i>Geoforum</i> , vol. 40, no. 2, pp. 136-144. ISSN: 0016-7185.	1	1.441	B
28. Weller, S.A. 2009, 'Shifting spatialities of power: The case of Australasian aviation', <i>Geoforum</i> , vol 40, pp. 790-799. ISSN: 0016-7185.	1	1.441	B
29. Weller, S.A. 2009, 'Critical events and labour mobility: Relocations in the wake of the Ansett Airlines collapse', <i>Geographical Research</i> , vol. 47, no. 3, pp. 242-255. ISSN: 1745-5863.	1	-	B

Note: ISI impact factor is from 2008 edition of ISI Journal Citation Reports. ERA ranking is from ARC 2010 list, except for item 21.

3.3 Number of PhD completions 2009

Seven PhD and DBA theses were completed in 2009, as listed below.

Student		Supervisor	Year completed
Bruce Rasmussen PhD	<i>Creating and Capturing Value in the Biopharmaceutical Sector</i>	Peter Sheehan	2009
Prabodh Malhotra PhD	<i>The Pharmaceutical Industry and Public Health in Developing Countries: A Comparison Study of India and China</i>	Bhajan Grewal	2009
TriDung Lam PhD	<i>Trade and Economic Growth in Vietnam after Doi-Moi: A Comparative Study with the ASEAN-4</i>	Peter Sheehan	2009
Pham Quynh Anh PhD	<i>Industrialization in Vietnam: An Analysis of Manufacturing Competitiveness and Policy Alternatives</i>	Peter Sheehan	2009
Chokchai Suwetwattanakul PhD	<i>A Knowledge Sharing Model for Thailand</i>	Sardar Islam	2009
Ibrahim Al-Rahbi DBA	<i>An Empirical Study of the Key Knowledge Economy Factors for Sustainable Economic Development in Oman</i>	Bhajan Grewal	2009
Tanachart Raoprasert DBA	<i>Japanese Management Adaptation, Particularly in Thailand</i>	Sardar Islam	2009

Note: A PhD completion occurs when the council classification occurs and a bound thesis is lodged with the Office for Postgraduate Research.

3.4 List of technology transfer activities

Conference papers refereed and published	16
Conference presentations and workshops (not included above)*	4
Conference papers and presentations invited (not included above)	17
Research reports	28

Note: See Appendix for details.

*Includes 2 workshops.

4. Staff

The Centre has over a period of years built a small but highly qualified team, capable of producing high quality research outputs in applied economics, with a focus on better understanding the forces of globalisation, the development of the knowledge economy and their implications for economic, social and political change. Funding under PRIP has given CSES the opportunity to take this to a new level. Along with the appointment of Prof Frank Lichtenberg of Columbia University, New York as an Adjunct Professor in 2006, Dr Sally Weller and Dr Brant Liddle, were both appointed as Senior Research Fellows in 2007 from funding provided by PRIP. In 2008 Dr Andrew Van Hulsten and Dr Alex English from Chinese University of Hong Kong joined the staff, as University post-doctoral fellow. In 2009 Prof Bob Gregory and Dr Roger Jones (from ANU and CSIRO respectively) joined the Centre.

4.1 Staff holding research grants or research contracts in 2009

Abdullahi Ahmed	Dana Nicolau
Enjiang Cheng	Bruce Rasmussen
Alex English	Peter Sheehan
Bhajan Grewal	Kim Sweeny
John Houghton	Greg Tegar
Roger Jones	Andrew Van Hulsten
Frank Lichtenberg	Tran Van Hoa
Neelam Maharaj	Sally Weller
George Messinis	Alison Welsh

4.2. Number of visiting fellows

Dr. Xichuan Liu, from the China Rural Development Research Centre, Zhejiang University, visited the CSES from December 2008 to November 2009. He was invited to work primarily on two topics: Climate Change and Energy Policies in China and Innovation and Health Policies in China. Three journal articles co-authored by Enjiang Cheng (CSES) and others were published in 2009.

Anne Madsen visited the CSES from 1 February 2009 to 1 July 2009. Anne is enrolled as PhD candidate at the Technical University of Denmark (DTU) from September 2008 to September 2011. It is a necessary requirement for PhD students at DTU to undertake part of their studies in a different research environment, preferable a foreign country. For this reason she came as visiting researcher to the CSES, which was chosen for its cross-disciplinary focus on technical change, regional economy and policy. Her research program is titled: "Regions' Role in the Formative Phase of an HFC Innovation System". The focus is on the role of regional governments in the development of hydrogen and fuel cell technology, and applies the theoretical framework provided largely by the concept of regional and technological innovation systems to analyzing the factors that influence the development of such systems. She worked with Bruce Rasmussen during her stay on a project comparing the Australian and Canadian biomedical innovation systems.

4.3 Number of equivalent full-time research staff 2009

Peter J. Sheehan		1
Bruce Rasmussen		1
John Houghton		1
Robert Gregory	(0.5 – Mar to Dec 09)	0.42
Bhajan Grewal		0.6
Sardar M.N. Islam		1
Tran Van Hoa		0.6
Greg Tegart		0.4
Frank Lichtenberg		0.25
Roger Jones		1
Kim Sweeny		1
Danny Ben Moshe		0.5
Brant Liddle		1
George Messinis		1
Enjiang Cheng	(0.2 – Jan to Feb 09)	0.03
Joanne Pyke		0.5
Sally Weller		1
Ahmed Abdullahi		1
Dana Nicolau		0.6
Alison Welsh		1
Neelam Maharaj		0.4
Jason Nielsen	(1.0 – April to Dec 09)	0.75
Andrew van Hulten		1
Alex English		1
Stephen Parker		1
TOTAL FTE		19.05

4.4 Number of internal seminars and workshops

The Centre ran a very successful seminar series in 2009, organized by Andrew van Hulten. We had many external speakers and visitors. Eighteen seminars were held; 10 of them had external speakers. See Appendix for details.

5. Students

5.1 Number of equivalent full-time research students (including DBAs) supervised by CSES staff, 2009

PHD student name	Thesis title	Supervisor	FTE
1. Said Al-Sagri	Petroleum Resources, Interdependence and Development: A Case Study of the Gulf Corporation Council Countries	Peter Sheehan	1
2. Jim Brumby	Fiscal Space and Budgetary Management	Bhajan Grewal	0.5
3. Helena Grunfeld	Innovative Models for Telecommunications Network Deployment in Developing Countries	John Houghton	0.5
4. Estty Purwadiani Hidayatle	The Impact of the Global Financial Crisis and Economic Integration on Indonesia's Agricultural Growth: An Econometric Study	Tran Van Hoa	0.5*
5. Thi Thanh Van Hoang	Strategic Market Planning for Second-Tier Cities: An Application to Vietnam	Tran Van Hoa	1
6. Baharuddin Muhammad Hussin	Dynamic Behaviour of Earnings and Capital Market Responses (Volatility and Anomaly): A Risk Management Perspective	Sardar Islam	1
7. Ahmad Mukhtar	Pharmaceuticals Pricing under Compulsory Licensing	Peter Sheehan	0.5
8. Baliira Kalyebara	Using Expected Value of Perfect Information to Improve Capital Budgeting Decision Making	Sardar Islam	0.5
9. Tri Dung Lam	Trade and Economic Growth in Vietnam after Doi-Moi: A Comparative Study with the ASEAN-4	Peter Sheehan	1
10. Yew Choe (Nicholas) Lum	Econometric Study of the Foreign Exchange Market	Sardar Islam	0.5
11. Prabodh Malhotra	Pharmaceutical Industry and Public Health in Developing Countries: A Comparison Study of India and China	Bhajan Grewal	1
12. Valerie McGown	The Effectiveness of Quality Control Systems in Australia and Japan: A Comparative Analysis	Peter Sheehan	0.5
13. Safwan Mohd Nor	Stock Return Prediction and Trading Strategies: A Fusion Analysis Including Accounting and Corporate Governance Practices Using Artificial Neural Networks	Sardar Islam	0.5*
14. Kevin Morgan	Capital Investment in Broadband Infrastructure	Peter Sheehan	1
15. Siti Nuryanah	Capital Markets, Accounting Irregularities and Corporate Governance	Sardar Islam	1
16. Stephen Parker	A Study of Renewable Energy and Emissions Policy	Peter Sheehan	1
17. Quynh Anh Pham	Industrialisation in Vietnam: An Analysis of Manufacturing Competitiveness and Policy Alternatives	Peter Sheehan	1
18. Chokchai Suwetwattanakul	Knowledge Management in Thai Organisations	Sardar Islam	1
19. John Symons	Corporate Climate Change Risk Management: An Investment Decision Model	Sardar Islam	1
20. Syurkani Syurkani	Inflation Dynamics and Monetary Policy in Indonesia	Peter Sheehan	1
21. Thanet Wattanakul	Economic and Trade Policy in Thailand: An Econometric Approach	Tran Van Hoa	1
TOTAL PHDs FTE			17.0

*Commenced in Semester 2, 2009, FT but counted as FTE 0.5 for the year.

DBA student name	Thesis title	Supervisor	FTE
1. Aleksander Bradilovich	The Transfer of Tacit Intellectual Capital into Explicit Organisational Capital in Medium-sized Organisations: An ERP Approach	Sardar Islam	0.5
2. Rodney Con Foo	SME Exit and the Role of Risk and Uncertainty	Sardar Islam	0.5
3. Victoria Gonzalez	Accounting Information, Corporate Governance and Firm Performance: An Econometric Study	Sardar Islam	0.5
4. Kumudini Heenetigala	Board Leadership, Corporate Governance and Firm Performance	Sardar Islam	0.5
5. Socrates Karagiannidis	Mergers and Acquisitions in Australia: Reasons and Timing	Peter Sheehan	0.5
6. Jenny Lac	Risk Management, Corporate Governance and Financial Management in Small Businesses in Australia: An Optimisation Approach	Sardar Islam	1
7. Julian Marks	Improving Systemic Stability and Efficiency in the Australian Financial Sector via Regulatory Enhancements to Risk Management and Corporate Governance	Sardar Islam	0.5
8. Hong Hoa Pham	A Model of Strategic Marketing Adaptation and Performance of Multinational Corporation Subsidiaries in Vietnam: An Empirical Investigation	Sardar Islam	1
9. Then Shaw	Auditing and Market Valuation of Stocks	Sardar Islam	0.5
10. Neale Wardley	Effectiveness of Tradable Emissions Permits in the Abatement of Greenhouse Gases	Peter Sheehan	0.5
TOTAL DBAs FTE			6.0

5.2 PhD and DBA completions since 2000

Year	PhD completions	DBA completions
2000	0	0
2001	0	2
2002	2	0
2003	2	1
2004	2	3
2005	1	1
2006	0	1
2007	2	1
2008	1	2
2009	7	0
TOTAL	17	11

5.3 Proportion of postgraduate research students employed within 3 months of completion

All CSES PhD students which graduated in 2009 were employed within 3 months of completion.

6. Faculty Involvement

Victoria University has embarked on a major repositioning of its core teaching and research activities to ensure closer alignment to the changing needs of students, enterprises and communities. The *Making VU* program provides the initial plan and approach for moving the University towards its objectives by 2016. The Centre has continued to make a significant contribution to the information base on which this major strategic initiative is founded, through two projects commissioned by the Vice-Chancellor

6.1 Funds and in-kind contribution

For the calendar year 2008 the Faculty paid \$100,000 to the Centre in terms of general research centre support, and provided a number of other cash and in-kind forms of support, including research incentives, for specific Centre activities. The support provided by many individuals within the management structure of the Faculty, from the Executive Dean down, is greatly appreciated.

6.2 Number of full-time equivalent of Faculty staff attributing work and grants through the Centre

The Centre has a wide variety of linkages with members of staff of other Departments and Centres within the Faculty of Business and Law. Currently the CSES has 39 research associates from a variety of departments within the university, the vast majority of which were within the Faculty of Business and Law. It also has 11 research associates from other organisations. See Appendix for the full list of research associates and their affiliations.

6.3 Listing of other activities demonstrating interaction between Faculty and Centre

Supervision

The centre supervised 10 DBA students during 2009, all of which are enrolled in the Victoria Graduate School of Business (FOBL) rather than the CSES (see list in Section 5.1).

Teaching

Prof. Sardar Islam has been involved in teaching 2 subjects in 2009 in the Doctorate of Business Administration Program:

- Corporate Governance (shared/guest lecture)
- Research Proposal Preparation and Writing (guest lecture)

Joint publications

Manzoni, A. and Islam, S.M.N. 2009, *Performance Measurement in Corporate Governance: DEA Modelling and Implications for Organisational Behaviour and Supply Chain Management*, Physica Verlag, Springer, Heidelberg.

Manzoni, A. and Islam, S. 2009, 'The Best Exponents of Corporate Social Responsibility and Organisation Behaviour', refereed and published paper in The IEEM International Conference on Industrial Engineering and Engineering Management, Hong Kong, 8-11 December.

Manzoni, A. and Islam, S. 2009, 'Measuring Organization Performance: A Top-down Approach using an Optimization Model', refereed and published paper presented at the Eurasia Business and Economic Society (EBES) 2009 Conference, Istanbul, Turkey, 1-2 June.

Joint doctoral supervision

Prof. Sardar Islam with Profs Colin Clark and Anona Armstrong.

Joint research and collaboration activities

At an individual researcher level the Centre also has a range of collaborative activities with various members of staff and students within the Faculty. Consideration is being given to documenting them more fully and extending them, making use of new research facilitation arrangements within the Faculty.

Grant application collaborative activities

Researchers at the CSES worked closely with the Research Facilitation Unit in the Faculty of Business in the preparation ARC Linkage and Discovery grant applications.

7. External Collaboration and Partnerships

7.1 List of long-term (>than 2 years) strategic research collaborations with other research institutions

Columbia University	Loughborough University
The Danish Electronic Library (DEFF)	Monash University
Deakin University	Nanjing Agricultural University
DfG (German Research Foundation)	Peking University
Frankfurt University	SURF Foundation (The Netherlands)
John Curtin Institute of Public Policy	Tsinghua University
Knowledge Exchange (European)	Zhejiang University

7.2 List of long-term (> 2 years) strategic research partnerships with external organisations

Asian Development Bank (Manila)
Association for Chinese Economic Studies (Australia)
APEC Life Sciences Innovation Forum
AusAID
Ausbiotech Ltd
Australian Academy of Technological Sciences and Engineering
Australian Computer Society
Australian Greenhouse Office
Australian Vietnamese Women's Welfare Association
Bristol Myers Squibb
Business Council of Australia
Carbon Market Economics Pty Ltd
Centre for Multicultural Youth Issues
COASIT Italian Historical Society – ARC Industry Contribution
Committee for Economic Development of Australia (CEDA)
CSIRO
Department of Broadband, Communications and the Digital Economy
Department of Education, Science and Training (DEST), Canberra, now DEEWR
Department of Climate Change (DCC), Canberra
Department of Industry, Tourism and Resources (DITR), Canberra, now DIISR
Department of Innovation, Industry and Regional Development (DIIRD), Victoria
Department of Treasury and Finance (DTF), Victoria
Department of Premier and Cabinet (DPC), Victoria
Department of Sustainability and the Environment (DSE), Victoria
Eli Lilly (Australia)
Energy Research Institute, National Development and Reform Commission, China
IBM Life Sciences
Italian/Australian Welfare and Cultural Centre Inc.
Joint Information Systems Committee (JISC) (UK)
Macedonian Ministry of Foreign Affairs
Medicines Australia
Melbourne Water

Merck Company Foundation (US)
Merck, Sharp and Dohme (Australia)
Organization for Economic Cooperation and Development (France)
Pfizer Pty Ltd
Precedence Health Care
SEEK Ltd
US PhRMA (US)
Victorian Multicultural Commission – ARC Industry Contribution
Vietnam Institute for Trade (Ministry of Trade) (Hanoi)
World Bank (US)

7.3 Advisory board

Ms Jane Niall DIIRD
Mr Peter Wilson AHRI
Mr Geoff Frankish JBWere Goldman Sachs
Ms Sara Pantzer Amgen
Dean B&L (ex officio)
DVC Research and Region (ex officio)

7.4 Any measures or indicators of esteem

Vice Chancellor's research award

Sally Weller received:

1. The Faculty of Business and Law Award for Excellence in Research and Training
2. Vice Chancellor's Citation for Research Excellence
3. Vice-Chancellor's University-wide Peak Award for Citation in the Excellence in Research and Research Training (Staff Category).

ARC Grants 2009

Sally Weller awarded ARC Linkage Grant (LP0990297) titled *Rural Adjustment or Structural Transformation? Discovering the Destinations of Exiting Farm Families*

Profs Tran Van Hoa and Peter Sheehan awarded ARC Linkage Grant (LP0989339) titled *China's Exports and Growth and Major East Asia Summit Economies: Exploring Regional Impact and Policy Responses*

VU Researcher Development Grant for 2009

Awarded to Dr Andrew Van Hulten

Member of learned society

Brant Liddle Member Sigma Xi (The Scientific Research Society)

Reviewer for journal articles

Ahmed, A. 2009 Review of journal article on trade, for *World Development* (1).

Liddle, B. 2009, Reviewer of journal articles on energy, for *Energy Policy* (1) and *Environment and Development Economics* (1).

Messinis, G, 2009, Reviewer of journal article on labour and education, *The Economic Record* (2) and *Education Economics* (1).

Weller, S. 2009 Reviewer of journal articles for: *American Sociological Review* (1), *Asian Studies Review* (1), *Australian and New Zealand Regional Studies Association* (1), *Australian Geographer* (1), *Economic Geography* (2), *Environment and Planning A* (2), *European Urban and Regional Studies* (1), *Geojournal* (1), *Global Labour* (1), *International Journal of Globalisation and Small Business*(1) and *Management Research News*(1).

Book reviews

Ahmed, A. 2009, Review of book on econometrics published by Routledge, Taylor and Francis Group, London.

Reviewer for funding applications

Weller, S., Australian Research Council.

Weller, S., United Kingdom Economic and Social Research Council (ESRC).

Editorial duties

New editorial duties

Bhajan Grewal	Editorial Board Member	<i>Public Finance and Management</i>
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Continuing editorial duties

John Houghton	Editorial Board Member	<i>Telecoms Policy</i>
Sardar Islam	Editorial Advisory & Review Board Member	<i>Social and Management Research Journal (SMRJ)</i> (from 2010)
	Editorial Advisory Board Member	<i>Journal of Modelling in Management</i>
	Associate Editor	<i>Asia-Pacific Journal of Accounting and Economics</i> (until 2010)
	Editorial Board Member	<i>International Journal of Monetary Economics and Finance</i>
	Editorial Board Member	<i>Journal of Accounting, Business and Management</i>
	Editorial Board Member	<i>International Jour. of Electronic Customer Relationship Management</i>
	Australia New Zealand Editor	<i>International Journal of Environmental Creation</i>

Reviews

Kirono, D.G.C., Jones, R.N. and Cleugh, H.A. 2009, 'Pan-evaporation measurements and Morton-point potential evaporation estimates in Australia: Are their trends the same?', *International Journal of Climatology*, vol. 29, pp. 711–718.

Reviewed in *Global Environmental Change* and *Agricultural Water Management*.

Appendix

CSES Activities 2009

The Centre continued to make significant progress in expanding its research programs to achieve its overall objectives. This is evident in the comprehensive list of research activities provided in the table below, and in the Centre's research outputs for 2009 listed in the next section.

PROJECTS AND GRANTS RECEIVED – INTERNAL

Victoria University PRIP	<p>The CSES was successful in a bid for funding through the Victoria University Priority Research Innovation Program (PRIP) for investment in research over 2006-2010. The Centre received \$3.25 million for the period for research in the area 'The Global Knowledge Economy in the 21st Century'. The key objective is to build a centre of excellence, of international scale and quality, by 2010, with a focus on the following areas: converging technologies – applications, implications and policy; medicines, health outcomes and industry development; energy use and climate change in the new economy; and governance and regional development issues.</p> <p>Funding 2009: is \$650,000.</p>
VU Cluster Studies	<p>Research team: Bruce Rasmussen and Neelam Maharaj</p> <p>Funding: \$16,000</p> <p>CSES was commissioned in 2007 by the Vice Chancellor of Victoria University to prepare industry briefing papers for 12 Industry Roundtables and Course Coordinating Committees (CCC) as part of 'Making VU Happen' initiative. In 2009 reports on <i>Management and Marketing</i>, <i>Health Cluster</i>, <i>Financial and Economic Services</i>, have been completed by Bruce Rasmussen and Neelam Maharaj.</p>
Report to VU	<p>Research team: Bruce Rasmussen, Andrew Van Hulten, Neelam Maharaj, Peter Sheehan, Alison Welsh and Sally Weller (CSES), with collaboration of Kathleen Hurley (DIIRD)</p> <p>Report title: Updating Melbourne's West</p> <p>Funding 2009: \$20,000</p> <p>This project was jointly funded by the Victorian Department of Industry, Innovation and Regional Development (DIIRD) and the Department of Planning and Community Development (DPCD) (\$44,000 in 2010), together with Victoria University</p> <p>This report documents the continuing growth and transition of the Western Region identified in the 2004 report by the CSES 'Investing in Melbourne's West: A Region in Transition' (by Sheehan and Wiseman). It develops strategies that seek to better integrate the Western Region into the knowledge economy.</p>
VU Vice Chancellor's Office	<p>Research team: George Messinis, Peter Sheehan and Zdenko Miholcic</p> <p>Report title: <i>The Performance of the Student Population at Victoria University</i></p> <p>Funding 2009: \$10,000</p> <p>A unique study was undertaken by the CSES for the VU Vice-Chancellor's Office in 2008 to explore the success rates for different segments of the highly complex student body at Victoria University (VU). VU is a multi-sector institution serving a low income, diverse community in the west of Melbourne and its student population varies across a number of dimensions that are central to current policy debates, including socio-economic status, cultural and language diversity, the interaction between work and study and the differences and similarities between vocational and higher education students.</p> <p>The first report titled: <i>The Diversity and Performance of the Student Population at Victoria University</i> was produced in July 2008, and an update was released in December 2008 titled: <i>The Diversity of the</i></p>

Student Population at Victoria University. This final update on Performance was released in January 2009.

While this study is intended to improve the ability of VU to support its own students, it may also provide insights for national policy and other education providers facing similar complex educational challenges.

PROJECTS AND GRANTS RECEIVED – EXTERNAL

ARC LINKAGE GRANT (LP0989339)

Chief investigators: Tran Van Hoa and Peter Sheehan (CSES); N Van Lich (Vietnamese Institute of Trade)

Project title: *China's Exports and Growth and Major East Asia Summit Economies: Exploring Regional Impact and Policy Responses*

Funding: 2009: \$100,000; 2010: \$100,000; 2011: \$100,000

Collaborating partners: Vietnam Ministry of Trade, TradeData International Pty Ltd

The project benefits Australia's current long-term economic priorities and engagement with Asia in five ways. It provides: (1) collaborative research with East Asia Summit (EAS) networked experts on topics of mutual interest, (2) a new perspective on the effects of China on EAS4 trade and growth, (3) substantive improved findings on EAS4 economic and trade policy options, (4) significant inputs to analysis, debates and negotiations in the recently proposed EAS free trade agreement (FTA), and (5) useful applications to Australia's similar bilateral FTAs under negotiation (e.g., Australia-Korea and Japan FTAs).

ARC LINKAGE GRANT (LP0990297)

Chief investigators: Sally Weller (CSES); W. N. Pritchard (University of Sydney); Margaret Alston (Monash University); M. J. Webber (University of Sydney)

Project title: *Rural Adjustment or Structural Transformation? Discovering the Destinations of Exiting Farm Families*

Funding: 2009: \$55,000; 2010: \$100,000; 2011: \$85,000; 2012: \$80,000; 2013: \$95,000; 2014: \$55,000, and 1 APA(I) Award

Collaborating partner: Victorian Government, Department of Treasury and Finance (DTF).

The findings of this research will assist local, State and Federal governments to intervene effectively in processes of regional and rural structural adjustment. It will generate economic benefits by recommending policies that facilitate growth and promote sustainable rural businesses while at the same time sheltering rural communities and individual households from adverse outcomes. It will contribute social benefits by identifying policies to improve the outcomes of rural adjustment for families and individuals. The new knowledge it provides will inform the politics of regional change and remove some of the uncertainties that currently impede the implementation of rural adjustment policies.

DTF provided funding of \$50,000 in 2009.

ARC LINKAGE GRANT (LP0883920)

Chief investigators: Danny Ben-Moshe (CSES); Graeme Hugo (Univ. Adelaide); Loretta Baldassar (Univ of Western Australia); Therese Joiner (La Trobe Univ); Steve Francis (Centre for Multicultural Youth Issues); Ordan Andreevski (Embassy of the Republic of Macedonia)

Project title: *Australian Diasporas and Brain Gain: Exploring Current and Potential Transnational Linkages*

Funding: 2008: \$55,000; 2009: \$110,000; 2010: \$87,500; 2011: \$32,500; and 1 APA(I) Award

Collaborating partners: Victorian Multicultural Commission; Australian Vietnamese Women's Welfare Association; Centre for Multicultural Youth Issues; Embassy of the Republic of Macedonia; COASIT Italian Historical Society; Italian/Australian Welfare and Cultural Centre; Council for International Trade and Commerce SA Inc

The research will investigate current and potential future roles of diasporas in both Australia and overseas in facilitating trade and investment. The study will examine their political, cultural and kinship ties with homelands and map the geography of seven diasporas in Australia. This will provide new data that describes the character, motivations and movements of diasporas in Australia. Data analysis will

	<p>determine the current and potential role diaspora play in adding value to Australian society through 'brain gain' and 'circulation' versus 'brain drain'. Findings will inform migration and social policy aimed at maximising benefits of migration.</p> <p>Funding partners provided \$36,000 for 2009.</p>
<p>Department of Climate Change (Canberra)</p>	<p>Chief investigators: Peter Sheehan, Alex English, Kim Sweeny, Bhajan Grewal, Greg Tegart and Jason Nielsen from CSES; and Jiang Kejun and his team at the Energy Research Institute in Beijing, including Zhuang Xing, Liu Hong and Gong Weijing.</p> <p>Project title: <i>More Sustainable Energy Use in China: Economic Structure and the Application of New Technologies</i></p> <p>Funding 2009: \$400,000</p> <p>Funding for this research project is based upon a collaborative partnership between CSES and China's National Development and Reform Commission's (NDRC) Energy Research Institute (ERI), was provided by the Commonwealth Department of Climate Change. ERI is China's leading energy researcher, playing a key role in shaping and informing the government's energy and climate change policies. This research project draws on some of the key findings of ERI's own research, and aims to provide a better understanding of the potential role of the low carbon economy as a concept in promoting the rebalancing of China's economic structure and reducing carbon emissions.</p> <p>Other activities of this collaborative project and key outcomes of this work, made possible by funding from the Department of Climate Change, include:</p> <ul style="list-style-type: none"> • A two-day project workshop on the 3 project case studies (motor vehicles, air conditioners and natural gas) involving two dozen Australian and Chinese expert participants. • Joint field site visits and meetings with industry and government officials in Beijing, Baoding, Shenzhen, Guangdong and Anhui. • Several roundtable meetings between ERI-CSES project participants in Beijing to analyse policy and technology issues pertaining to the project and to China's climate policies. • Four policy option papers covering policy implementation issues for the 12th Five Year Plan. • Two major reports on key policy implementation issues have been completed. • Valuable sharing of data and methodological approaches has been achieved.
<p>DITR and DIIRD CDM-NET</p>	<p>Research team: Bruce Rasmussen and Kim Sweeny</p> <p>Total funding: \$200,000.</p> <p>Project title: <i>CDM-NET Innovative Services Delivery Project (Barwon Region)</i></p> <p>The Commonwealth Department of Industry, Tourism and Resources (DITR) and Victorian Department of Innovation, Industry and Regional Development (DIIRD), DIIRD agreed to provide \$2 million each over two years to fund an \$8.7 million pilot program, led by Precedence Research together with Barwon Health, to develop and test network-based methods to monitor and treat diabetes in the Barwon region. The commercial partners include IBM, CISCO, Intel and Working Systems Solutions, and the universities involved are Monash, Deakin and Victoria University. The project's Research and Evaluation Plan defines three research projects for which CSES was the lead agency:</p> <ul style="list-style-type: none"> • Estimation of the overall public benefits of CDM-Net (health outcomes and costs, and other costs and benefits, linked to the case for a further roll out) • Business realisation and development evaluation (market potential in Australia and overseas for the products and service arising from the CDM-Net; and • Consultation with Melbourne Western Region related to potential roll out in the region. • Final report is due in 2010.
<p>CRC for Rail Innovation</p>	<p>Research team: Peter Sheehan, Bruce Rasmussen, Alison Welsh, Steven Parker, Ainsley Jolley, and John Symons from CSES and Rob Jolley and Bruce Mountain from Carbon Markets Economics Pty Ltd.</p>

	<p>Report title: <i>Transforming Rail: A Key Element in Australia's Low Pollution Future</i></p> <p>Funding: \$180,000</p> <p>The CSES produced a final report of a project undertaken for the CRC for Rail Innovation in December 2008, of a study on the implications of the introduction of an emissions trading scheme, and of potential responses to climate change more generally, on the rail industry in Australia. The analysis reported here is backed up by more detailed work contained in ten supporting papers finalized in early 2009, which are available from the CRC for Rail Innovation. Total funding was received over 2008-2009.</p>
<p>JISC: Economic Impacts of Open Access (UK)</p>	<p>Research team: John Houghton, Bruce Rasmussen and Peter Sheehan (CSES) and Charles Oppenheim (Loughborough University), together with a six-person team based in the UK</p> <p>Report title: <i>Economic Implications of Alternative Scholarly Publishing Models</i></p> <p>Funding: \$120,000</p> <p>The release of the report by the UK Joint Information Systems Committee (JISC) in January 2009 marked the culmination of a year long project (see http://www.cfses.com/EI-ASPM/).</p> <p>The work has generated a number of follow-on projects and has led to numerous invitations to speak at conferences around Europe and elsewhere. Conferences have included:</p> <ul style="list-style-type: none"> • Berlin7 Open Access Conference, Paris, December 2009 (http://www.berlin7.org/). • Knowledge Exchange Workshop, Brussels, June 2009 (http://knowledge-exchange.info/Default.aspx?ID=316). • OAI6 CERN Workshop on Innovation in Scholarly Publishing, Geneva June 2009 (http://indico.cern.ch/conferenceTimeTable.py?confId=48321). • ELPub Conference, Milan, June 2009 (http://conferences.aepic.it/elpub2009/). • Berlin 6 in Dusseldorf, marking the 6th anniversary of the Berlin Declaration (http://www.berlin6.org/?page_id=71). • The Annual JISC Conference in Edinburgh, at which the work was commended by the UK Digital Commissioner, Ewan McIntosh, in his keynote address as well as forming the basis of the opening session on Open Access and the Researcher (http://www.jisc.ac.uk/events/2009/03/jiscconference09/programme.aspx). • Danmarks Forskningsbiblioteksforenings Vinterinternatmøde 2009, the conference of the Danish Research Library Association (http://www.dfd.dk/index.php?option=com_redevent&view=details&id=3:vinterinternat-2009&Itemid=2).
<p>DfG: New Models of Information Supply (Germany)</p>	<p>Research team: John Houghton (CSES) with collaborators in Goethe Universitat of Frankfurt au Main in Germany</p> <p>Report title: <i>Economic Implications of New Models for Information Supply for Science and Research in Germany.</i></p> <p>Funding: \$98,000</p> <p>This project is funded by DfG. The project brings the German National Licensing Program (NLP) into the mix of alternative scholarly communication models.</p> <p>DFG (The Deutsche Forschungsgemeinschaft) (German Research Foundation) is the central, self-governing research funding organisation that promotes research at universities and other publicly financed research institutions in Germany. The DFG serves all branches of science and the humanities by funding research projects and facilitating cooperation among researchers.</p>
<p>SURF FOUNDATION: Economic Impacts of Open Access (Netherlands)</p>	<p>Research team: John Houghton worked in collaboration with EIM Business and Policy (Zoetermeer, The Netherlands)</p> <p>Report title: <i>Costs and Benefits of Research Communication: The Dutch Situation</i></p> <p>Funding: \$38,600</p> <p>This funding was provided for a study of the implications of Open Access in the Netherlands funded by the Dutch SURF foundation. The report is available at:</p>

	<p>http://www.surffoundation.nl/wiki/display/economicstudyOA/Home.</p> <p>SURF is a collaborative organisation for higher education institutions and research institutes aimed at breakthrough innovations in ICT.</p>
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<p>DEFF: Economic Impacts of Open Access (Denmark)</p>	<p>Research team: John Houghton in collaboration with DEFF and Ministry of Culture (Copenhagen, Denmark)</p> <p>Report title: <i>Costs and Benefits of Research Communication: Denmark</i></p> <p>Funding: \$33,200</p> <p>Funding was provided for a study of the implications of Open Access in Denmark by The Danish Electronic Library (DEFF) and The Danish Ministry of Culture. The report is available at: http://www.knowledge-exchange.info/Admin/Public/DWSDownload.aspx?File=%2fFiles%2fFiler%2fdownloads%2fDK_Costs_and_benefits_of_alternative_publishing_models.pdf</p> <p>DEFF (Denmark's Electronic Research Library) is an organisational and technological partnership between research libraries co-financed by the Ministry of Science, Technology and Innovation, the Ministry of Culture and the Ministry of Education. DEFF's purpose is to advance the development of a network of electronic research libraries that make available their electronic and other information resources to the patrons in a coherent and simple way.</p>
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<p>SPARC: Impacts of US FRPAA (USA)</p>	<p>Research team: John Houghton, Peter Sheehan and Bruce Rasmussen</p> <p>Project title: <i>Measuring the Impacts of the Proposed US Federal Research Public Access Act (FRPAA) on Returns to Public Investment in R&D</i></p> <p>Funding: \$44,000</p> <p>In late 2009, the Scholarly Publishing and Academic Resources Coalition (SPARC) funded a feasibility study with the aim of defining and scoping the data collection requirements and further model developments necessary for a robust estimate of the likely impacts of the proposed FRPAA archiving mandate.</p>
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<p>KE: Economic Impacts of Open Access (European)</p>	<p>Research leader: John Houghton</p> <p>Report title: <i>OA What Are the Economic Benefits: A Comparison of UK, NL and DK</i></p> <p>Funding: \$13,750</p> <p>This project funded by the European Knowledge Exchange aims to examine the cost-benefit implications of alternative scholarly publishing models in one of the larger, a mid-sized and a smaller European country. The report is available at: http://knowledge-exchange.info/Default.aspx?ID=316. Knowledge Exchange is a co-operative effort that supports the use and development of Information and Communications Technologies (ICT) infrastructure for higher education and research.</p>
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<p>OECD: Impacts of US FRPAA (France)</p>	<p>Research leader: John Houghton</p> <p>Report title: <i>ICT and the Environment in Developing Countries: Opportunities and Developments</i></p> <p>Funding: \$11,500</p> <p>OECD funded project examining ICT and the Environment in Developing Countries: Opportunities and Developments, with the report prepared and presented by John Houghton at a joint infoDev/OECD Workshop on policy coherence in the application of ICT for development in Paris (September 2009). The report is available at: http://www.oecd.org/document/31/0,3343,en_21571361_42740239_42838367_1_1_1_1,00.html</p>
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<p>Australian Computer Society</p>	<p>Research team: John Houghton and Alison Welsh</p> <p>Report title: <i>Australian ICT Trade Update 2009</i></p> <p>Funding: \$33,000</p> <p>The ACS (Australian Computer Society) is the recognised professional association for those working in Information and Communications Technology, seeking to raise the standing of ICT professionals and</p>
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	<p>represent their views to government, industry and the community. This report presents a detailed statistical update on Australia's ICT trade over the decade 1998 to 2008 (inclusive). It explores the composition of ICT services, software, content and equipment and also examines ICT trade state-by-state. The report is available at: http://www.acs.org.au/09icttradeupdate/</p>
<p>Medicines Australia</p>	<p>Research team: Kim Sweeny and Peter Sheehan</p> <p>Report title: <i>The Impact of PBS Reforms on PBS Expenditure and Savings</i></p> <p>Funding 2009: \$62,000</p> <p>The CSES was asked by Medicines Australia to analyse the impact of PBS reform measure on overall PBS expenditure announced in 2006 by the Government, and to report on how these reforms have affected the Government, pharmacists, wholesalers, manufacturers and other suppliers and patients. The final report released in October 2009, includes the estimates of the present and future effect of changes that have already occurred and those that will occur over the next years. The study found reforms to the PBS will save the Government \$6 billion over 10 years while continuing to guarantee good access to affordable medicines.</p> <p>The report received considerable media attention as listed in the Appendix, Media section. Follow-up work is included in the funding total for 2009.</p>
<p>SEEK Employment Index</p>	<p>Research team: George Messinis, Peter Sheehan, Abdullahi Ahmed and Steven Parker</p> <p>Project title: <i>SEEK Employment Index</i></p> <p>Funding 2009: \$123,000</p> <p>The CSES continues on with a joint research venture which commenced in 2005 with SEEK Limited in developing the SEEK Employment Index. The research team at the CSES have developed the index, which is the first Australian indicator to directly compare labour market supply with labour market demand. The SEEK index has been created to complement existing indicators from the Australian Bureau of Statistics (ABS) and the ANZ jobs ads series.</p> <p>A report was also produced for SEEK New Zealand in November 2009 titled 'SEEK Employment Index in New Zealand: Job Vacancies and Job Seeking'. Industry reports for Australia and New Zealand have also been added to the monthly research reports produced by CSES for SEEK.</p>
<p>Hassall and Associates</p>	<p>Research team: Peter Sheehan and Alex English (CSES), and Enjiang Cheng (Research Director, International Poverty Reduction Center of China, Beijing); in cooperation with the Rural Development Institute, Chinese Academy of Social Sciences (CASS)</p> <p>Project title: <i>Improving Governance of Farmer's Cooperatives in Western Regions in China</i> (CAGP Activity C1-0526)</p> <p>Funding 2009: \$100,000</p> <p>The China Australia Governance Program (CAGP) is an Australian Government (AusAID) funded bilateral development cooperation program that aims to assist China in governance-related reform in areas of mutual interest to both governments. Initiated in 2004, the program is implemented through a four way partnership between AusAID, the Chinese Ministry of Commerce (MOFCOM), the National Development and Reform Commission and managed by GHD Hassall.</p> <p>The project goals and objectives are to: perform a study of best practice and experience in terms of local governments and rural cooperatives in Australia; undertake training and promotion of findings of studies in China; make policy recommendations on improving the capabilities of the local government in the western regions of China to development of cooperatives in rural areas; and organize an international workshop to present the outcomes of the project and report its findings to policy makers.</p>
<p>Department of Treasury and Finance</p>	<p>Research team: Sally Weller, Peter Sheehan, Andrew van Hulst and Neelam Maharaj (CSES), and John Tomaney</p> <p>Report title: <i>Carbon Pollution Reduction Scheme: Adjustment Strategy for the Latrobe Valley</i></p> <p>Funding 2008: \$87,200</p>

	<p>This report examined the social and economic impacts that a carbon pollution reduction scheme (CPRS) is likely to produce in Victoria's Latrobe Valley, the brown-coal rich region where most of Victoria's electricity is currently generated. The report's content is based on a review of reports and submissions on the CPRS and its regional impacts, detailed analysis of unpublished ABS Census and other statistical data, as well as interviews with key stakeholders in the Latrobe Valley. The final report was delivered in February 2009.</p>
Smart Water Project	<p>Research team: Sally Weller and Alex English</p> <p>Report title: <i>The Socio-economic Impacts of Water Restrictions on Turf Sports Grounds in Metropolitan Melbourne</i></p> <p>Funding 2009: \$68,970</p> <p>This project was funded by the Victorian Government's Smart Water program and coordinated by the Institute for Sustainability and Innovation at Victoria University.</p> <p>The scope of the project was limited to metropolitan public turf-based sports grounds such as Australian football and rugby grounds, soccer pitches and cricket ovals. The work undertaken and reported here included a review of previous research on the social impacts of sport and sports ground maintenance issues, a contingent valuation survey that aimed to quantify the value that the community places on sporting grounds, and a program of interviews that sought to assess the local scale impacts of Melbourne's water restrictions, which at Level 3a limit the number of sporting grounds that local authorities are permitted to irrigate.</p> <p>This report provided the social economic component of the 'Sustainable Water Options for Sportsfields Milestone 2 Report'. The final VU report was produced in January 2009.</p>
Department of Sustainability and Environment	<p>Research team: Sally Weller (CSES), Nicholas Milne and Stephen Gray (VU Centre for Sustainability and Innovation)</p> <p>Report title: <i>Commercial and Industrial Use of Recycled Water in Melbourne. Exploratory Research.</i></p> <p>Funding 2008: \$40,000</p> <p>In 2008, the Sustainable Water, Environment and Innovation division of the Department of Sustainability and the Environment commissioned Victoria University to undertake exploratory research to determine the level of demand and/or interest in the commercial and industrial use of recycled water in metropolitan Melbourne. The final report was produced in May 2009.</p>
DIIRD and DPCD Updating Melbourne's West Report	<p>Research team: Bruce Rasmussen, Andrew Van Hulten, Neelam Maharaj, Peter Sheehan, Alison Welsh and Sally Weller</p> <p>Report title: <i>Updating Melbourne's West</i></p> <p>Funding 2009: \$40,000</p> <p>This report on the Western Region was been commissioned by Victoria University, and the Victorian Departments of Industry, Innovation and Regional Development (DIIRD) and Planning and Community Development (DPCD). It updates an earlier 2004 report for the University by the Centre for Strategic Economic Studies, <i>Investing in Melbourne's West: A Region in Transition</i> (Sheehan and Wiseman 2004).</p> <p>The report examines the nature of the growth in the region and whether the transition has shifted from an 'extensive' to a more 'intensive' phase; and then analyses these changes with a particular emphasis on how the skilled labour market in the region is being transformed. It also considers the proposal to develop Footscray as a CAD, reviewing the existing structure of the Sunshine Principal Activity Centre; and considers the development of spatial labour markets and the emergence of employment corridors in the manufacturing and transport sectors in the outer west. It then gives discusses the proposal for further development of the Werribee Employment Precinct, which incorporates a major role for Victoria University in developing a business precinct with a technology focus. Finally it reviews educational outcomes in the Western Region.</p>
DIIRD Innovation	<p>Research team: Bruce Rasmussen and Peter Sheehan</p> <p>Report title: <i>Potential Victorian Government Innovation Policy Responses in the Context of the GFC</i></p>

Report	<p>Funding 2009: \$18,000</p> <p>The Victorian Department of Innovation, Industry and Regional Development sought advice on policy options to deal with the impact of the GFC on funding for innovation in Victoria. The report analysed the impact of the GFC on funding levels and in the context of a review of existing Commonwealth and State policies, recommended a range of policies, a number of which focussed on strengthening the commercial networks between universities and industry both in Australia and overseas.</p>
Department of Treasury and Finance Report	<p>Research team: Peter Sheehan and Bob Gregory</p> <p>Project title: <i>The Victorian Labour Market After the Global Financial Crisis</i></p> <p>Funding: \$44,200</p> <p>This project consisted of two reports. The first was titled <i>The Hours Issue: Report 1 to the Victorian Department of Treasury and Finance</i> and the second: <i>The Changing Incidence of Full-Time and Part-Time Work, with Special Reference to Young People: Report 2 to the Victorian Department of Treasury and Finance</i>. This piece of research examined some of the fundamental changes that have taken place in the Victorian and Australian labour markets over the past two decades and their impact on how the financial crisis impacted on Victoria.</p>
Australian Multicultural Education Services (AMES)	<p>Research team: Sally Weller, Peter Sheehan, Andrew Van Hulsten and Jason Nielsen</p> <p>Project details: Services relating to project titled: An Evidence Based Approach to the Development of Service Delivery Models for the AMEP</p> <p>Funding: \$20,000</p> <p>The Australian Multicultural Education Services (AMES) is a leading provider of specialist multicultural language, settlement and employment services to migrants in Australia. The main education program delivered by AMES is the Adult Migrant Education Program (AMEP), with programs delivered through a number of consortium partners and subcontractors. AMES contracted the CSES to assist in providing a better understanding of the diverse contexts in which its education programs are delivered and the needs of clients in specific geographic areas and cultural contexts. It required support to interpret its large data resources in the broader economic and social context, and draw out its relevance for new or revised service delivery models. The CSES delivered the research in the form of Power Point presentation and a CD containing the datasets and delivery model files.</p>
CSIRO Flagship Climate Change	<p>Research team: Roger Jones and others</p> <p>Project title: <i>Report on Current Climate Change in Australian Coastal Zone</i></p> <p>Funding 2009: \$51,000</p> <p>Roger Jones was lead author of a technical document on the science contributing to the understanding of the vulnerability of Australia's coast to climate change. CSIRO was contracted to the Department of Climate Change for this project and this research contract was with CSIRO. http://www.climatechange.gov.au/publications/coastline/climate-change-risks-to-australias-coasts.aspx</p> <p>He also contributed to Chapter 2 of the report <i>Climate Change Risks to Australia's Coasts</i> http://www.climatechange.gov.au/publications/coastline/~media/publications/coastline/2-chapter.ashx</p>
AATSE	<p>Research team: Kim Sweeny and Greg Tegart</p> <p>Project title: Smart Technology for Health Longevity: Economic Analysis</p> <p>Funding 2009: \$15,000</p> <p>The Australian Academy of Technological Sciences and Engineering commissioned the Centre for Strategic Economic Studies (CSES) to provide economic analysis for its project on Smart Technology for Healthy Living. The project aims to identify those technologies that will enable seniors to stay in their own homes and maintain their independence.</p> <p>The analysis looked at expected demographic changes in Australia and the characteristics of people requiring care. It provided evidence on the economic benefits of interventions to enable more people to age at home by examining four major studies. Finally it estimated potential savings to the Government from greater aged care at home using recent data on the cost and utilisation of aged care programs in</p>

	<p>Australia. It also provided estimates of the savings that could arise from preventing falls among aged people.</p>
Melbourne Water	<p>Researcher: Roger Jones</p> <p>Report title: <i>Assessment and Review of Melbourne Water/CSIRO 2005 Climate Change Study Projections</i></p> <p>Funding 2009: \$10,000</p> <p>Roger Jones was contracted by Melbourne Water to assess the need for updating the climate scenarios from those that originally informed the Melbourne Water Climate Change Study. This 16-page report concluded that new scenarios were not needed, but that the past 13 years' drier and warmer climate requires a rethink of both the science and policy contribution to water resource management in the greater Melbourne region.</p>
CRC Spatial Information	<p>Research team: John Philimore (John Curtin Institute of Public Policy, Curtin University of Technology) and Bruce Rasmussen, Dana Nicolau and Alison Welsh (CSES)</p> <p>Project title: A Study of the Spatial Information Industry</p> <p>Funding 2009: \$7,500</p> <p>The CRC for Spatial Information (CRCSI) was created as an unincorporated joint venture business with a partnership of over 50 organisations from the corporate, government and university sectors from around Australia. It works in close partnership with the Australian Spatial Information Business Association (ASIBA), Australia and New Zealand Land Information Council (ANZLIC) and the Spatial Sciences Institute.</p> <p>In 2008 the CRD commissioned ACIL Tasman to undertake a study into the economic impact of the spatial information industry in Australia. Following the ACIL Tasman research, the CRCSI commissioned the present study to examine trends in the Australian spatial information industry and the present 'state of play' in the industry in the context of global developments. The report was finalized in April.</p>
CRC Biomedical Imaging Development	<p>Research team: Kim Sweeny and Bruce Rasmussen</p> <p>Project title: Economic Evaluation for Third Year Review</p> <p>Funding 2009: \$3,750</p> <p>In preparing for its Third Year Review, the CRC for Biomedical Imaging Development (CRCBID) contracted the Centre for Strategic Economic Studies to update the estimates of the economic benefits of the CRC. The CRC's research program is developing new, highly-specific radiotracers, automated processes for on-site synthesis of radiotracers and other radiopharmaceuticals, and high-resolution detectors for functional (PET) and structural (X-ray) imaging.</p> <p>The economic analysis showed that, using conservative assumptions about the market for radiopharmaceuticals and their valuation, the research program of the CRCBID is likely to result in the development of intellectual property with a quantifiable worth, should the CRCBID be successful in meeting its R&D goals.</p> <p>Aside from these direct economic benefits to the holders of CRCBID IP, other benefits are likely to flow from the use of CRC products. These include savings to the health system arising from greater use of PET scanning and the resultant surgeries avoided and consequent increase in the quality of life of patients.</p>
CSES CONFERENCES AND SEMINARS	
MCP Forum	<p>After many years of debate, climate policy has moved squarely into the implementation stage. The next years will be critical, both in Australia and internationally, in determining what policies will be put in place and how effective they will be in containing global warming.</p> <p>As a contribution to rational, evidence-based debate the Melbourne Climate Policy Forum (MCPF – a joint project between CSES and Carbon Market Economics (CME)) hosted six briefing seminars on the key policy issues facing Australia, set in the context of the global decision-making process. Each of the</p>

briefings provided an assessment of current knowledge and its implications for the policy issue in question, based in part on the ongoing research activities of the MCPF partners. Following the briefings, a distinguished external discussant(s) reviewed the briefing provided, commented on the policy issue and introduced general discussion.

The briefings were well attended and covered the following topics:

- Avoiding Dangerous Climate Change: The Dynamics of Global Action, Roger Jones and Peter Sheehan (discussant Erwin Jackson)
- Making Adjustment Payments to Electricity Generators Effective, Bruce Mountain (CME) (discussants Ben Skinner and Sally Weller)
- Australia's Carbon Pollution Reduction Scheme: Can Carbon Markets Deliver?, Peter Sheehan (discussant, Stephen Howes)
- Australia's Approach to Renewable Electricity Generation, Rob Jolly and Bruce Mountain (CME) (discussant Mike Hill)
- The Challenge of Adaptation: Victoria as a Case Study, Roger Jones (discussant John Marsden)
- The New Industrial Revolution: Implications for Australia and Victoria

CSES Seminars The CSES held a successful seminar series in 2009 organized by Andrew van Hulten. There was a total of 19 seminars, with 12 external speakers. The full list is provided in the Appendix with papers and presentations available at: http://www.businessandlaw.vu.edu.au/cses/seminars_2009.asp

PUBLICATION HIGHLIGHTS

New books 2009 Two CSES authored books were published in 2009 by prestigious international publishers. They were *Performance Measurement in Corporate Governance: DEA Modelling and Implications for Organisational Behaviour and Supply Chain Management*, by Alex Manzoni and Sardar Islam (Physica Verlag Springer) and *The Government and Market for Rural Finance in the Poor Areas of China: Our Investigation*, by Xu Zhong, Zhang Xuechun and Enjiang Cheng (China Financial Press).

Forthcoming books For 2010, there are 5 forthcoming books with Springer, Edward Elgar and Palgrave Macmillan, all authored by CSES staff or students.

National Academies Press (USA) In 2009, John Houghton served on a steering group for the US National Academies in a workshop which resulted in a book titled *The Socioeconomic Effects of Public Sector Information on Digital Networks Toward a Better Understanding of Different Access and Reuse Policies*, (edited by Paul Uhler), in which John Houghton had a chapter 'Exploring the impacts of enhanced access to publicly funded research' (National Academies Press). The workshop summarized in this report was intended to review the state of the art in assessment methods and to improve the understanding of what is known and what needs to be known about the effects of public sector information (PSI) activities.

EPA Victoria Dr Roger Jones (CSES) with Drs Dewi G.C. Kirono, and David M. Kent (both from CSIRO) finalized a project from the CSIRO for the Environment Protection Authority (EPA) Victoria titled 'Modelling Future Lake Levels and Salinity at Three Lakes, Western Victoria'. CSIRO was asked to construct future projections of monthly lake level and salinity of the above three lakes using the outputs of global climate model (GCM) simulations for the Keilambete, Bullenmerri, and Gnotuk Lakes in Western Victoria.

In this report, first a brief description of recent and future climate is given. Secondly, the lake water balance model used in the study and estimated climate-lake equilibrium are described. Thirdly, projected changes in lake levels and salinity are presented. Lastly, key results and implications derived from this study are given.

CSES publications In summary, CSES staff and students totalled 2 authored books. As for research papers, they produced 4 chapters in books (commercial publishers), 28 refereed journal articles and 16 refereed and published conference papers. Staff were invited to present 16 papers and/or presentations in Australia and overseas, of which 3 were keynote presentations. They produced 28 research reports.

PARTICIPATION IN HIGH LEVEL CONFERENCES, SEMINARS AND WORKSHOPS

APEC LSIF VII	<p>In August 2009, Peter Sheehan delivered a presentation titled 'The Value of Innovation: Health, Economic Development and Trade Facilitation' in Singapore.</p>
	<p>Established by APEC Leaders in 2002, the Life Sciences Innovation Forum (LSIF) has since grown to become APEC's leading initiative on health and health sciences innovation. It is a tripartite forum that engages representatives from the highest levels of government, industry and academia to create the right policy environment for life sciences innovation. Peter Sheehan is Co-chair of the APEC LSIF.</p>
Climate change Workshops	<p>Roger Jones participated in a series of workshops on climate change in 2009.</p>
	<p>He was invited to make a presentation at the Cities at Risk Workshop held in Bangkok, Thailand, 26-28 February, titled 'Building Adaptive Capacity For Managing Climate Change in Asia's Coastal Megacities'. The workshop brought together nearly 80 scientists, urban planners and officials, and representatives of disaster management and development agencies to review scientific findings and projections regarding climate-related risks (e.g., sea level rise, extreme climate events, intensification of storms and storm surges) for Asia's coastal megacities. Participants examined potential vulnerabilities and current coping mechanisms in the cities and then discussed actions, in both the short and long term, that would enhance the capacity of cities to manage the risks and vulnerabilities posed by climate change.</p>
	<p>He was resource person at the Bangkok City Visioning Exercise held in Bangkok on 15-19 June titled Approaches to Achieve Transformational Change for Sustainable and Climate Resilient Cities (SCRC).</p>
	<p>He also participated in the Expert Technical Workshop: Lower Murray – Darling to Sea Ecological Community Assessment held in Glen Osmond, South Australia on 1-3 July.</p>
IDRC workshop	<p>Prof Tran Van Hoa was invited to attend and deliver a Plenary Session speech 'CO2 Emissions-Economic Growth Trade-off in Vietnam and China for UNFCCC/IPCC Climate Change Policy Analysis' at the 32nd Biannual Workshop of the International Development Research Centre (IDRC), Economy and Environment Program for South East Asia (EEPSEA), in Hanoi on 17-18 November 2009. The workshop, was sponsored and organised by the EEPSEA Directorate (based in Singapore). It is an important event where the EEPSEA Directorate and senior economists, consultants, resource staff, EEPSEA-funded researchers, and other distinguished experts formally meet to discuss final and interim reports, and new research proposals presented by academics, government officials and NGO and other researchers in major countries in the South East Asia region including China and Mongolia (SEA Plus). More than 70 experts from the SEA Plus region, and Australia, Canada and the US, participated in the workshop.</p>
	<p>Founded in May 1993 EEPSEA has received funding support from a Sponsors Group (currently IDRC, CIDA and Sida) to assist in research and training capacity enhancement activity on environmental and resource economics with strong practical policy relevance for young academics, researchers and upcoming leaders in the SEA Plus region.</p>
Asia Pacific Forum	<p>Roger Jones was invited by the Ambassador to the Philippines, the Hon Rod Smith to be the keynote speaker at an Asia Pacific Policy Forum on Climate Change Adaptation, held by the Australian Embassy in Manila on 20 August 2009. Also speaking at the Forum was Senator Loren Legardo, Governor Joey Salceda and the 'father' of climate change policy in the Philippines, Heherson Alvarez. Following the Forum a meeting was held between AusAid other funding bodies and researchers involved in Disaster Risk Reduction in the Philippines. The following day Prof Jones had meetings with the Asia Development Bank, Neric Acosta (the lead convenor of the Philippine Climate Imperative), Attorney Antonio Oposa (noted environmental lawyer) and government representatives.</p>
OTHER ACTIVITIES AND ACHIEVEMENTS	
Awards	<p>Congratulations to Dr Sally Weller from the Centre for Strategic Economic Studies who received a Vice-Chancellor's Citation in the Excellence in Research & Research Training (Staff Category).</p>
Launch of ARC Project and completion of the previous	<p>Project title: China's Exports and Their Impact on Australia and other Major East Asia Economies</p> <p>The official launch of the ARC 2009-2011 project (the fifth at VIT in the past 15 years) took place at the VIT Headquarter in Hanoi on 14 July 2009, where the project's first ARC and VIT-funded and scheduled workshop to report work in progress in 2009 was also organised. The launch was co-</p>

chaired by Prof Tran Van Hoa (CSES and a Project Chief Investigator) and attended by Australia's Vice Ambassador to Vietnam (Ms Venessa Wood) and AusAID in-country representative (Mr N V Hung), MOIT Vice-Minister representative (Dr T V Tung), and senior staff from VIT, MOIT and the Ministry of Planning and Investment.

Recent strong growth of China's exports has elevated the country to a rising global economic power and caused geo-political concern to policy-makers not only in the country but also in its major trading partners world-wide. What are the determinants of this growth, how they have affected major economies in the ASEAN (World Bank, 2009) in particular, and what kind of evidence-based responses is required and appropriate for major East Asia Summit economies such as Australia, Indonesia, Thailand and Vietnam? These are major issues for research, dissemination and debate in this project which has the international collaboration of Vietnam Institute for Trade (VIT), Ministry of Industry and Trade, Centre for Strategic Economic Studies (CSES), Victoria University (Australia), and Tradedata P/L (Melbourne).

Before the launch, Prof. Tran Van Hoa and Dr N V Lich participated in the official completion and final report of another ARC-VIT funded 2004-2008 project 'ASEAN+3 FTA and Its Impact on Australia-Vietnam Trade'. The output of this project includes three books and numerous journal articles and reports which have been widely disseminated and communicated at workshops, conferences and professional journals.

Appointed Editor

Bhajan Grewal has been appointed as a member of the Editorial Board of the journal *Public Finance and Management* (published by the Southern Public Administration Education Foundation). This is an international and interdisciplinary journal devoted to increasing knowledge of public finance and administration through policy analysis, empirical research, and theoretical inquiry.

During the past two years, Professor Grewal has been the Guest Editor of this journal and was responsible in 2008 for publishing a symposium on China's Public Finances. He is currently editing another symposium on Fiscal Decentralisation (to be published later this year), while a third symposium on Public Finances and the Global Financial Crisis is planned for publication in 2010.

Climate Scientists Australia

Roger Jones is a member of the newly founded Climate Scientists Australia, an independent group of senior scientists who hope to improve decisions on climate-related issues in Australia by encouraging better use of the science (<http://www.climatescientistsaustralia.org.au>).

Through their extensive research and knowledge of the rapidly-accurring peer-reviewed international scientific literature, they are convinced that climate change is already happening, and are concerned about its potential impacts if emissions continue unchecked. Deciding on the best strategies for reducing emissions is a complex social, political and economic challenge; nonetheless, any decisions must take into account the best and latest scientific information on climate change and its potential impacts. They have come together as a group to provide and promote the use of scientifically-based evidence in decision-making on these issues, and to provide impartial and authoritative information.

Secretariat ClimateWorks Australia, a new partnership between Monash University and the Myer Foundation, is hosting the Climate Scientists Australia Secretariat.

The founding members are:

- Ann Henderson-Sellers - Macquarie University
- Lesley Hughes - Macquarie University
- Andy Pitman - University of NSW
- Tony McMichael - Australian National University
- Matthew England - University of NSW
- Amanda Lynch - Monash University
- Neville Nicholls - Monash University
- Dave Griggs - Monash University
- David Karoly - University of Melbourne
- Nathan Bindoff - University of Tasmania
- Roger Jones - Victoria University
- Ove Hoegh-Guldberg - University of Queensland
- Will Steffen Australian National University

See details at: <http://www.climatescientistsaustralia.org.au>

One of their first articles was: 'Climate change poised to feed on itself: Fifteen of Australia's top climate

experts explain how we know humans are altering the atmosphere and why we must act now', <i>Sydney Morning Herald</i> , 1 August. http://www.smh.com.au/opinion/climate-change-poised-to-feed-on-itself-20090731-e4gi.html	
Roger Jones also sent a letter published in the Opinion section of <i>The Age</i> on the topic: 'MPs lack vision for green future', <i>The Age</i> , Letters, 29 June, at http://www.theage.com.au/news/opinion/letters/mps-lack-vision-for-green-future/2009/06/28/1246127428292.html	

International Open Access Week	<p>It was International Open Access Week on 19-23 October (UK) It aimed to broaden awareness and understanding of open access to research, including access policies from all types of research funders (http://www.openaccessweek.org/). JISC was among those putting out some special brochures and information. John Houghton and his work (see above section for details on CSES funding from JISC) was mentioned in:</p> <ul style="list-style-type: none"> • an interactive pdf brochure at: http://www.jisc.ac.uk/media/documents/publications/programme/2009/oabookletinteractive.pdf at: http://www.jisc.ac.uk/publications/documents/openaccesscontributions.aspx#downloads • the main coverage was in making the business case at: http://www.jisc.ac.uk/whatwedo/topics/opentechnologies/openaccess/businesscase.aspx particularly in a video http://www.jisc.ac.uk/media/avfiles/topics/opentechnologies/oaafredfriend.mov
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New staff at CSES	<p>Professor Roger Jones is researching the integration of climate and policy risks by combining the biophysical sciences with economics and processes for decision-making. He has joined the Centre for Strategic Economic Studies to strengthen interdisciplinary efforts in this area. He was a Coordinating Lead Author on the Intergovernmental Panel on Climate Change Fourth Assessment Report and is recognised internationally for his work on climate risk.</p> <p>Professor Bob Gregory joined the CSES team of researchers in March 2009 as Professorial Research Fellow on a part-time basis. He is also Professor Emeritus at the Economics Program, Research School of Social Sciences, Australian National University. Professor Gregory has been at the forefront of the analysis and identification of major changes in the Australian social and economic issues over the last three decades.</p>
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New PhD students	<p>Estty Hidayatie, The Impact of the Global Financial Crisis and Economic Integration on Indonesia's Agricultural Growth: An Econometric Study (supervisor Tran Van Hoa)</p> <p>Ahmad Mukhtar, Pharmaceuticals Pricing under Compulsory Licensing (supervisor Peter Sheehan)</p>
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Theses completed	Seven research students completed their PhD or DBA theses in 2009. See Section 3.3 above for details.
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CSES Detailed Research Publications and Output 2009

Publications and research outputs achieved by the Centre in 2009 are listed in full below.

Books authored (HERD category)

1. Manzoni, A. and Islam, S.M.N. 2009, *Performance Measurement in Corporate Governance: DEA Modelling and Implications for Organisational Behaviour and Supply Chain Management*, Physica Verlag Springer, Heidelberg. ISBN 978-3-7908-2169-7.
2. Xu Zhong, Zhang Xuechun and Cheng, E. 2009, *The Government and Market for Rural Finance in the Poor Areas of China: Our Investigation*, China Financial Press, Beijing.

Book chapters (HERD category)

1. Islam, S.M.N., Clarke, M., Choi, S., Jolley, A. and Sheehan, P. 2009, 'Energy Production and Use', L. Lebel, A. Snidvongs, C.T.A. Chen and R. Daniel (eds) *Critical States: Environmental Challenges Development in Monsoon Southeast Asia*, pp. 51-62, SIRD, Petaling Jaya, Malaysia. ISBN: 978-983-3782-62-8.
2. Houghton, J.W. 2009, 'Exploring the impacts of enhanced access to publicly funded research', in P.F. Uhler (ed.), *The Socioeconomic Effects of Public Sector Information on Digital Networks: Towards a Better Understanding of Different Access and Reuse Policies*, U.S. National Committee for CODATA, Board on Research Data and Information, The National Academies Press, Washington, D.C. [Available from The National Academies \(book chapter, and with NAS\)](#)
3. Lichtenberg, F. 2009, 'Home, or nursing home? The effect of medical innovation on the demand for long-term care', in J. Costa-Font, C. Courbage and A. McGuire (eds), *The Economics of New Health Technologies: Incentives, Organisation and Financing*, Oxford University Press. 320 pp. 17 chaps. ISBN-13: 9780199550685. ISBN-10: 0199550689.
4. Clarke, M. and Islam, S.M.N 2009, 'The misalignment of standard national accounting aggregates with sustainability objectives', internet publication in e-book: *Welfare Economics and Sustainable Development*, EOLSS. ISBN: 978-1-84826-009-2.

Book chapters others

1. Houghton, J.W. 2009, 'The globalisation of the ICT sector,' in *OECD Information Technology Outlook 2008*, OECD, Paris.
2. Houghton, J.W. et al. 2009, 'The IT industry: Recent developments and outlook', in *OECD Information Technology Outlook 2008*, OECD, Paris.

Journal articles refereed (HERD category) 2009

Article details	DEST points (est.)	ISI Impact Factor	ERA Ranking
1. Ahmed, A. and Suardi, S. 2009?, 'Macroeconomic volatility, trade and financial liberalisation in Africa', <i>World Development</i> . ISSN: 0305-750X.	0.5	1.392	A
2. Ahmed, A.D. and Tran Van Hoa 2008, 'South Africa-Australia trade: Substantive evidenced and implication for growth, trade and economic relations policy', <i>Asia Pacific Journal of Economics and Business</i> , vol. 12, no. 2, pp. 64-84. ISSN: 1326-8481. Published July 2009.	1	-	B
3. Austin, J., Zhang, L., Jones, R., Durack, P., Dawes, W. and Hairsine, P. 2009, 'Climate change impact on water and salt balances: an assessment of the impact of climate change on catchment salt and water balances in the Murray-Darling Basin, Australia', <i>Climatic Change</i> , online, DOI 10.1007/s10584-009-9714-z. ISSN 0165-0009	0.167	3.202	A
4. Cheng E. and Li. R. 2009, 'Community development fund: A new vehicle for poverty alleviation in China', <i>Public Finance and Management</i> , vol. 9, no. 1, pp. 37-75. ISSN: 1523-9721.	0.5	-	-
5. Houghton, J.W. and Sheehan, P. 2009, 'Estimating the potential impacts of open access to research findings', <i>Economic Analysis and Policy</i> , vol. 39, no. 1, pp. 127-142. ISSN 0313-5926.	1	-	C

6.	Houghton, J.W. 2009, 'ICT and the environment in developing countries: An overview of opportunities and developments', <i>Communications and Strategies</i> , vol. 76, no. 4, pp. 39-60. ISSN 1157-8637	1	-	-
7.	Huang, Z., Liu, X. and Cheng, E. 2009, 'Explanations for the low participation rate in the formal credit market by rural households in poor areas', <i>Economic Research Journal</i> , vol. 4, pp. 116-128	0.66	-	-
8.	Kirono, D.G.C., Jones, R.N. and Cleugh, H.A. 2009, 'Pan-evaporation measurements and Morton-point potential evaporation estimates in Australia: Are their trends the same?', <i>International Journal of Climatology</i> , vol. 29, no. 5, pp. 711-718. ISSN 0899-8418.	0.333	1.971	A
9.	Lichtenberg, F.R., Grootendorst, P., Van Audenrode, M., Latremouille-Viau, D. and Lefebvre, P. 2009, 'The impact of drug vintage on patient survival: A patient-level analysis using Quebec's provincial health plan data', <i>Value in Health</i> , vol. 12, no. 6, pp. 847-856. ISSN 1098-3015.	0.2	3.009	B
10.	Lichtenberg, F.R. 2009, 'International differences in cancer survival rates: The role of new drug launches,' <i>International Journal of Healthcare Technology and Management</i> , vol. 10, no. 3, pp. 138-155. ISSN 1368-2156.	1	-	C
11.	Lichtenberg, F.R. 2009, 'The effect of new cancer drug approvals on the life expectancy of American cancer patients, 1978-2004', <i>Economics of Innovation and New Technology</i> , vol. 18, no. 5, pp. 407-428. ISSN 1043-8599.	1	-	B
12.	Lichtenberg, F.R. 2009, 'Have newer cardiovascular drugs reduced hospitalization? Evidence from longitudinal country-level data on 20 OECD countries, 1995-2003', <i>Health Economics</i> , vol. 18, no. 5, pp. 519-534. ISSN: 1057-9230.	1	1.994	A
13.	Lichtenberg, F.R. 2009, 'Life-expectancy gains from pharmaceutical drugs: a critical appraisal of the literature', Letter to the editor, <i>Expert Review of Pharmacoeconomics and Outcomes Research</i> , vol. 9, no. 6, pp. 499-504. ISSN 1473-7167.	1	-	C
14.	Lichtenberg, F.R. and Waldfoegel, J. 2009, 'Does misery love company? Evidence from pharmaceutical markets before and after the Orphan Drug Act', <i>Michigan Telecommunications and Technology Law Review</i> , vol. 15, pp. 335-357, available at http://www.mtlr.org/volfifteen/lichtenberg&waldfoegel.pdf ISSN: 1528-8625.	1	-	B
15.	Liddle, B. 2009, 'Electricity intensity convergence in IEA/OECD countries: Aggregate and sectoral analysis', <i>Energy Policy</i> , vol. 37, no. 4, pp. 1470-1478 at: http://dx.doi.org/10.1016/j.enpol.2008.12.006 ISSN: 0301-4215.	1	1.755	B
16.	Liu, X. and Cheng, E. 2009, 'Credit constraints for households in China's poor rural areas: An empirical study based on the credit rationing model', <i>Chinese Rural Economy</i> (Monthly), no. 6, pp.37-50. ISSN 1002-8870.	0.5	-	C
17.	Liu, X., Huang, Z. and Cheng, E. 2009, 'Farmers' demand for formal credit in the poor areas: Direct identification and empirical analysis', <i>Journal of Financial Research</i> , April, vol. 9, no. 346, pp. 36-51.	0.333	-	-
18.	Messinis, G. 2009, 'Earnings and languages in the family: Second-generation Australians', <i>The Economic Record</i> , vol. 85, Special Issue, pp. S59-S73. ISSN 0013-0249.	1	0.760	A

19.	Rashid, K. and Islam, S. 2009, 'Capital structure and firm performance in the developed financial market', <i>Corporate Ownership and Control</i> , vol. 7, no. 2, pp. 189-201. ISSN 1727-9232.	1	-	B
20.	Sweeny, K. 2009, 'The impact of copayments and safety nets on PBS expenditure', <i>Australian Health Review</i> , vol. 33, no. 2, pp. 215-230. ISSN: 0156-5788.	1	-	C
21.	Syurkani, I. and Ahmed, A. 2009, 'Inflation expectations and rationality: Evidence from Indonesian survey data', <i>Economics and Finance in Indonesia</i> , vol. 57, no. 3, pp. 255-275. ISSN 0126-155X	1	-	C (ERA Ranking list 2008)
22.	Syurkani, I. and Ahmed, A. 2009, 'Inflation expectations formation and financial stability: Evidence from Indonesia', <i>The Empirical Economics Letter</i> , vol. 8, no. 9. ISSN 1681-8997.	1	-	C
23.	Tegart, G. 2009, 'Energy and nanotechnologies: Priority areas for Australia's future', <i>Technological Forecasting and Social Change</i> , vol. 76, pp. 1240-1246. ISSN 0040-1625.	1	1.761	A
30.	Tran Van Hoa 2009, 'Impact of official development assistance on developing Asia's growth: A substantive econometric study for policy analysis', <i>Journal of Quantitative Economics</i> , vol. 7, no. 2, pp. 120-133. ISSN 0971-1554.	1	-	B
24.	Van Hulten, A and Webber, M. 2009, 'Do developing countries need 'good' institutions and policies and deep financial markets to benefit from capital account liberalization?', <i>Journal of Economic Geography</i> , vol. 10, pp. 283-319. ISSN: 1468-2702.	0.5	2.932	A
25.	Wattanakul, T. 2009, 'Impact of openness, economic policy reform and regional shocks on trade and growth of Thailand: An econometric study', <i>Chinese Business Review</i> , vol. 8, no. 1, pp. 17-30. ISSN 1537-1506.	1	-	-
26.	Weller, S.A. 2009, 'Failure and strategic projects: Australia's Asia-Pacific vision', <i>Geoforum</i> , vol. 40, no. 2, pp. 136-144. ISSN: 0016-7185.	1	1.441	B
27.	Weller, S.A. 2009, 'Shifting spatialities of power: The case of Australasian aviation', <i>Geoforum</i> , vol 40, pp. 790-799. ISSN: 0016-7185.	1	1.441	B
28.	Weller, S.A. 2009, 'Critical events and labour mobility: Relocations in the wake of the Ansett Airlines collapse', <i>Geographical Research</i> , vol. 47, no. 3, pp. 242-255. ISSN: 1745-5863.	1	-	B

Note: ISI impact factor is from 2008 edition of ISI Journal Citation Reports. ERA ranking is from ARC 2010 list, except for item 21.

Journal article others

1. Sanderson, J. and Islam, S.M.N. internet publication in 2009, 'Adaptation policy options for climate change in South East Asia', *International Journal of Environmental Creation*, vol. 9, no. 2, pp. 43-56. ISSN: 1343-9863.
2. Grewal, B., Rasmussen, B. and Sheehan, P. 2009, 'Governments, corporations and the financial crisis: Is this the end of private banks?', *Harvard International Review*, March, online at: <http://hir.harvard.edu/index.php?page=article&id=1853&p=2>
3. Houghton, J.W. 2009, 'What happens when a knowledge economy turns down?' *Information Outlook*, vol. 13, no. 4, Special Libraries Association, Washington DC, June (commissioned and reviewed by Editor) Available from SLA
4. Lichtenberg, F.R. 2009, 'Commentary on "Methuselah's Medicine: Pharmaceutical Innovation and Mortality in the United States, 1960 to 2000"', *Social Science and Medicine*. ISSN 0277-9536. ERA Ranking A*

5. Lichtenberg, F.R. 2009, 'Has Medicare Part D improved the health of elderly Americans?', *SSRN Working Paper Series*, 14 August, at: <http://ssrn.com/abstract=1452765>
6. Lichtenberg, F.R. 2009, 'Response to Baker and Fugh-Berman's critique of my paper "Why Has Longevity Increased More in Some States than in Others?"', *SSRN Working Paper Series*, 9 July, at: <http://ssrn.com/abstract=1431576>
7. Lichtenberg, F.R. 2009, 'Do new drugs save lives: Letter to the editor', *Journal of General Internal Medicine*, Sep 16. Epub ahead of print DOI: 10.1007/s11606-009-1101-y. ISSN 0884-8734. ERA Ranking A.
8. Lichtenberg, F.R. 2009, 'The cost of medical innovation,' *VOX: Research-based Policy Analysis and Commentary from Leading Economists*,² 27 June, at: <http://www.voxeu.org/index.php?q=node/3707>

Conference papers (refereed and published, HERD category)

1. Ahmed, A. and Wahid, A.N.M. 2009, 'Financial Structure, Capital Markets and Economic Growth Link in African Countries: A Panel Co-integration Analysis', *refereed* paper presented at the Fifth International Conference on Global Research in Business and Economics, Kuala Lumpur, 28-30 December.
2. Craven, B. and Islam S 2009, 'Some New Models for Capital Budgeting: Realistic Representations of Financial Decision Making by Firms', *refereed* and *published* paper in The IEEM International Conference on Industrial Engineering and Engineering Management, Hong Kong, 8-11 December.
3. Kirono, D.C.K., Jones, R.N., Kent, D. and Leahy, P. 2009, 'Modelling Lake Levels under Climate Change Conditions: Three Closed Lakes in Western Victoria', *refereed* and *published* paper presented at the 18th World IMACS / MODSIM Congress, Cairns, Australia 13-17 July.
4. Grunfeld, H. with Hak, S. and Pin, T. 2009, 'How iREACH has Contributed to Local Communities', *refereed* paper presented at CIRN 2009: Empowering Communities: Learning from Community Informatics Practice, Monash University Prato Centre, Prato, Italy, 4-6 November.
5. Houghton, J.W. 2009, 'Exploring the Costs and Benefits of Alternative Publishing Models', *refereed* paper presented at the ELPub 2009: 13th International Conference on Electronic Publishing: Rethinking Electronic Publishing: Innovation in Communication Paradigms and Technologies, Milan, 10-12 June, [available from ELPub](#)
6. Little, B. and Lung, S. 2009, 'Why Fuel Prices Differ Revisited: Does Fuel Demand Explain Fuel Taxes In OECD/Democratic Countries', *refereed* paper presented at the 17th Conference of the European Association of Environmental and Resource Economists, Amsterdam, 24-27 June.
7. Mak, C. and Islam, S. 2009, 'Welfare Economic Foundations for Evaluation of Public Health Programs: A New Approach', in *refereed* Proceedings of the 1st International Conference on Finance, Business and Accounting: Global Economic Meltdown: Opportunities and Challenges, 28-30 December, Kuala Lumpur.
8. Mak, C. and Islam, S. 2009, 'The Measurement of Well-being in the Health Sector', *refereed* and *published* paper in Proceedings of the 10th Australian Conference on Quality of Life, Deakin University, Melbourne, 30 November 2008.
9. Mak, C. and Islam, S. 2009, 'Socio-economic Evaluation of Public Health Programs: A New Cost-benefit Analysis Framework Based on Normative Choice Theory and a PBS Application', *refereed* and *published* paper presented at the Eurasia Business and Economic Society (EBES) 2009 Conference, Istanbul, Turkey, 1-2 June.

² VoxEU.org is a policy portal set up by the Centre for Economic Policy Research (www.CEPR.org) in conjunction with a consortium of national sites. Vox aims to promote research-based policy analysis and commentary by leading scholars. The intended audience is economists in governments, international organisations, academia and the private sector as well as journalists specializing in economics, finance and business.

10. Manzoni, A. and Islam, S. 2009, 'The Best Exponents of Corporate Social Responsibility and Organisation Behaviour', *refereed* and *published* paper in The IEEM International Conference on Industrial Engineering and Engineering Management, Hong Kong, 8-11 December.
11. Manzoni, A. and Islam, S. 2009, 'Measuring Organization Performance: A Top-down Approach using an Optimization Model', *refereed* and *published* paper presented at the Eurasia Business and Economic Society (EBES) 2009 Conference, Istanbul, Turkey, 1-2 June.
12. Messinis, G. 2009, 'Earnings and Languages in the Family: Second-Generation Australians', *refereed* paper presented at the 38th Australian Conference of Economists, Adelaide, 28-30 September.
13. Messinis, G. 2009, 'Overeducation and Overskilling in Australia: Second Generation Greek-Australians and Italian-Australians', in E. Close, G. Couvalis, G. Frazis, M. Palaktsoglou and M. Tsianikas (eds), Greek Research in Australia: Proceedings of the Biennial International Conference of Greek Studies 2007, Flinders University Press, Adelaide, pp. 233-250.
14. Rashid, K. and Islam S. 2009, 'The Role of Regulatory Authority in Affecting Firm Performance', paper in *refereed* Proceedings of the 1st International Conference on Finance, Business and Accounting: Global Economic Meltdown: Opportunities and Challenges, 28-30 December, Kuala Lumpur.
15. Wattanakul, T. 2009, 'Prospectus and Challenges for ASEAN+3 Integration: Policy Implications for Thailand', *refereed* and *published* paper presented at the Conference Korea and the World Economy VIII, Association of Korean Economic Studies, Hong Kong, 9-10 July.
16. Wattanakul, T. 2009, 'Prospectus and Challenges for ASEAN+3 Integration: Policy Implications for Thailand', *refereed* and *published* paper presented at the 17th Annual Conference on PBFEM and 3rd International Conference on Business Asia (ICBA), Value Creation and Management: Vision for 2010s, School of Business, University of the Thai Chamber of Commerce, Bangkok, 1-2 July.

Conference papers and workshop presentations other

1. Ashraf, M., Malik, B. and Grunfeld, H. 2009, 'Evaluating health behaviour outcomes of an ICT project: Results from research in three villages in Bangladesh', poster accepted in 11th International Conference on e-Health Networking, Application and Services (Healthcom2009), Sydney, 16-18 December.
2. Grewal, B. and Ahmed, A. 2009, 'The Western Region Development Strategy of China: An Assessment' *refereed* unpublished paper presented at the 68th International Atlantic Economic Conference, International Atlantic Economic Society, Boston, 8-11 October.
3. Houghton, J.W. 2009, 'ICT and the Environment in Developing Countries: Opportunities and Developments', presentation to the Joint infoDev/OECD Workshop on Policy Coherence in the Application of ICT for Development, Paris, 10-11 September. [Available from OECD](#)
4. Houghton, J.W. 2009, 'Economic Implications of Alternative Scholarly Publishing Models: Exploring Costs and Benefits,' Information Online 2009, Sydney, 20-22 January. [Available from ALIA \(reviewed paper\)](#)

Conference papers and presentations, invited

1. Houghton, J.W. 2009, 'Open Access and the Researcher: Economic Implications of Alternative Publishing Models', *invited* presentation to JISC Conference 2009, Edinburgh, 23-24 March. [Available from JISC](#)
2. Houghton, J.W. 2009, 'Economic Implications of Alternative Publishing Models: Self-archiving and Repositories', *invited* paper presented at the OAI6 CERN Workshop on Innovation in Scholarly Publishing 2009, Geneva June, available [from CERN](#).
3. Houghton, J. W. 2009, 'Implications of Alternative Open Access Publishing Models', *invited keynote* presentation to Berlin7 Open Access Conference, La Sorbonne, Paris, 2-4 December.

4. Houghton, J.W. 2009, 'Economics of Scholarly Publishing, Alternative Publishing Models and the benefit/cost of Open Access', *invited keynote* address at Danmarks Forskningsbiblioteksforenings Vinterinternatmøde 2009, Klarskovgaard, Denmark, January, [available from DFDF](#)
5. Jones, R. 2009, 'A Risk Management Approach to Climate Change Adaptation', *invited keynote* presentation to the Climate Change Adaptation: Managing the Unavoidable Conference, New Zealand Climate Change Centre, Wellington, 20-21 May.
6. Jones, R. 2009, 'A Risk Management Approach to Climate Change Adaptation', *invited keynote* presentation to the Climate Change Adaptation: Managing the Unavoidable Conference, New Zealand Climate Change Centre, Wellington, 20-21 May.
7. Jones, R. 2009, 'Cities at Risk: Building Adaptive Capacity For Managing Climate Change in Asia's Coastal Megacities', *invited* presentation at the Cities at Risk Workshop, Bangkok, Thailand, 26-28 February.
8. Milne, N., A. English, S. Weller, J. Tower, J. Cary and S. Gray 2009, 'Sustainable Water Options for Sportsfields', *invited* presentation at the AWA Ozwater09, Melbourne, 16-18 March.
9. Rasmussen, B. 2009, 'China Biotech: Alliances with the World', *invited* presentation to the 4th Medical Biotech Forum: International Experts Symposium Translating Bio-Innovations into Industrialization, China Medicinal Biotech Association, Chinese Academy of Medical Sciences and The Academy of Military Medical Sciences, Dalian, China, 8-10 August.
10. Rasmussen, B. 2009, 'Stress in the Life Sciences Innovation Model: Impact of the GFC', *invited* presentation to the APEC Life Sciences Innovation Forum VII: Engaging in a Multidisciplinary Approach to Health Innovation, Singapore, 3-4 August.
11. Sheehan, P. 2009, 'The Value of Innovation: Health, Economic Development and Trade Facilitation', *invited* presentation to the APEC Life Sciences Innovation Forum VII: Engaging in a Multidisciplinary Approach to Health Innovation, Singapore, 3-4 August.
12. Sheehan, P. 2009, 'The Health Sector in Times of Economic Crisis', *invited* presentation to APEC Health Working Group, Singapore, 6 August.
13. Sheehan, P. 2009, 'The Evolving Climate Change Debate: International and Australian Issues', *invited* presentation to CPA – DTF/DPC Discussion Group, Melbourne, 13 March.
14. Sweeny, K. 2009, 'The Benefits and Cost of Regulation and Health Outcomes', *invited* presentation at the Pharmaceutical Regulations Forum, Sydney, 18 June.
15. Sweeny, K. 2009, 'Reforms to the PBS and Long-term Sustainability', *invited* presentation at the 5th Annual Future of the PBS Conference, Sydney, 1 May.
16. Sweeny, K. 2009, 'The Sustainability of the PBS', *invited* presentation at the 10th Annual Health Congress, Sydney, 25 March.

CSES research reports

1. Dewi, G.C.K., Jones, R.N., Kent, D. 2009, *Modelling Future Lake Levels and Salinity at Three Lakes, Western Victoria*, report prepared for the Environment Protection Authority (EPA) Victoria. CSIRO Climate Adaptation Flagship, Melbourne.
2. Houghton, J.W. 2009, *Costs and Benefits of Alternative Publishing Models. Denmark*, DEFF, Copenhagen, September. [Available from Knowledge Exchange](#)
3. Houghton, J.W. 2009, *Open Access: What are the economic benefits? A comparison of the United Kingdom, Netherlands and Denmark*, Knowledge Exchange, Brussels, June. [Available from KE](#)

4. Houghton, J.W., de Jonge, J. and van Oploo, M. 2009, *Costs and Benefits of Research Communication: The Dutch Situation*, SURFfoundation, Utrecht, June. Available from [SURE](#)
5. Houghton, J.W., Rasmussen, B., Sheehan, P.J., Oppenheim, C., Morris, A., Creaser, C., Greenwood, H., Summers, M. and Gourlay, A. 2009, *Economic Implications of Alternative Scholarly Publishing Models: Exploring the Costs and Benefits*, Report to The Joint Information Systems Committee (JISC) by Victoria University & Loughborough University. Available from [JISC](#) and [CSES](#).
6. Houghton, J. and Welsh, A. 2009, ICT Trade Update 2009, for Australian Computing Society, CSES, Victoria University, Melbourne. Available from [ACS](#).
7. Jones, R. and Webb, L. 2009, *Regional and Sectoral Vulnerability to Climate Change in Victoria*. Report prepared for Victorian Department of Treasury and Finance, Melbourne, Victoria.
8. Jones, R. 2009, *Assessment and Review of Melbourne Water/CSIRO 2005 Climate Change Study Projections*, Report to Melbourne Water, June.
9. Kirono, D.G.C., Jones, R. and Kent, D.M. 2009, *Modelling Future Lake Levels and Salinity in Three Lakes, Western Victoria*, Report prepared for the Environment Protection Authority (EPA) Victoria, May.
10. Lichtenberg, F.R. and Gautier Duflos, G. 2009, 'Time Release: The Effect of Patent Expiration on U.S. Drug Prices, Marketing, and Utilization by the Public', Manhattan Institute Medical Progress Report No. 11, October, at: http://www.manhattan-institute.org/html/mpr_11.htm
11. Lichtenberg, F.R. 2009, 'The Quality of Medical Care, Behavioral Risk Factors and Longevity Growth', NBER Working Paper No. 15068, June, at <http://www.nber.org/papers/w15068>
12. Messinis, G., Sheehan, P. and Miholicic Z. 2009, *The Performance of the Student Population at Victoria University*, Update to Report to the Vice-Chancellor, Victoria University, January, CSES, Victoria University, Melbourne.
13. Messinis, G., Sheehan, P., Parker, S. and Ahmed, A. 2009, 'SEEK Employment Index in New Zealand: Job Vacancies and Job Seeking', November 2009, Report for SEEK New Zealand Limited, CSES, Victoria University, Melbourne.
14. Rasmussen, B., Maharaj, N., van Hulten, A., Sheehan, P., Welsh, A. and Weller, S. 2009, *Updating Melbourne's West*, Final Report to DIIRD and Victoria University, Melbourne, December.
15. Rasmussen, B. and Sheehan, P. 2009, *Potential Victorian Government Innovation Policy: Responses in the Context of the GFC*, Report to Victorian Department of Industry, Innovation and Regional Development, CSES, Victoria University, Melbourne, August.
16. Rasmussen, B. and Maharaj, N. 2009, *Management and Marketing Cluster*, CCC Briefing Paper, Report to Victoria University Cluster Study Project, CSES, Victoria University, Melbourne, May.
17. Rasmussen, B., Sweeny, K. and Maharaj, N. 2009, *Health Cluster*, Making VU Cluster Coordination Committee Input Report, CSES, April.
18. Rasmussen, B. and Maharaj, N. 2009, *Financial and Economic Services Cluster*, CCC Briefing Paper, Report to Victoria University Cluster Study Project, CSES, Victoria University, Melbourne, April.
19. Phillimore, J., Kohsy, P., Rasmussen, R., Welsh, A. and Nicolau, D. 2009, *Study of the Spatial Information Industry*, Report to CRC Spatial Industry, John Curtin Institute of Public Policy, Curtin University of Technology and CSES, Victoria University.
20. Sheehan, P., Rasmussen, B., Jolley, A., Symons, J., Parker, S. and Welsh, A. 2009, [Transforming Rail: A Key Element in Australia's Low Pollution Future](#), Final Report to the CRC Rail Innovation, Brisbane, January.
21. Sweeny, K. 2009, *The Impact of PBS Reforms on PBS Expenditure and Savings: Actual and Projected from 2008-09 to 2017-18*, report to Medicines Australia, August, CSES, Victoria University, Melbourne.

22. Sweeny, K., Rasmussen, B. and Welsh, A. 2009, *An Economic Analysis of Expected Benefits from the CRC Bid's Research Program*, CSES, January.
23. Weller, S. and Sheehan, P. 2009, *Participation in AMES Language Programs*, Report for the Adult Migrant English Language Service, June, Centre for Strategic Economic Studies, Melbourne.
24. Weller, S. A., Milne, N. and Gray, S. 2009, *Commercial and Industrial Use of Recycled Water in Melbourne: Exploratory Research*, May, Centre for Strategic Economic Studies and Institute of Sustainability and Innovation, Victoria University, Melbourne.
25. Weller, S., Sheehan, P. and Tomaney, J. 2009, *Carbon Pollution Scheme: Adjustment Strategy for the Latrobe Valley*, Report prepared for the Department of Treasury and Finance (Victoria), DTF Report D08-94037, March, Melbourne.
26. Weller, S.A. and English, A. 2009, *Socio-economic Impacts Study of Water Restrictions on Sporting Fields in Melbourne*, Report prepared for Smartwater Project Report 181, January, Melbourne, at: <http://www.smartwater.com.au/projectdocs/project181/Socio%20Economic%20Impacts%20Study%20of%20Water%20Restrictions%20on%20Sporting%20Fields%20in%20Melbourne.pdf>
27. Weller, S., P. Sheehan and J. Tomaney (2009). Carbon Pollution Reduction Scheme: Adjustment Strategy for the Latrobe Valley. Melbourne: Report prepared for the Department of Treasury and Finance, DTF Report D08-94037 (contribution 80%).
28. Weller, S. and J. Tomaney (2009) Climate Change and Economic Restructuring. Paper presented at the 2009 Meeting of the Institute of Australian Geographers, James Cook University, Cairns, 27th September – 1st October. (Revised version in preparation for Regional Studies)
29. Weller, S. (2009) Energy Transitions in Australia's Brown Coal Regions, Paper presented at the 2009 Conference of the Institute of British Geographers and Royal Geographical Society, University of Manchester, Manchester, 26-28 August 2009.
30. Weller, S. A. and A. English (2009). Socio-Economic Impacts Study of Water Restrictions on Sporting Fields in Melbourne. Melbourne: Smartwater Project Report 181. At: <http://www.smartwater.com.au/projectdocs/project181/Socio%20Economic%20Impacts%20Study%20of%20Water%20Restrictions%20on%20Sporting%20Fields%20in%20Melbourne.pdf>. (Contribution 70%)

Journal articles, submitted, under review and/or resubmitted

1. Ahmed, A., Cheng, E. and Messinis, G. 2008, 'The role of exports, FDI and imports in development: New evidence from Sub-Saharan African countries', submitted to *Applied Economics*. ISSN 0003-6846
ISI Impact Factor: 0.430
2. Liddle, B. 2009, 'Breaks and trends in and convergence among OECD countries' energy-GDP ratios', revised and resubmitted to *Energy Journal*. ISSN: 0195-6574.
ISI Impact Factor: 1.726.
3. Mak, C. and Islam, S. 2009, 'Health-related quality of life measures in the economic evaluation of health programs: Efficiency and social welfare implications', submitted to *Applied Research in Quality of Life*.
4. Messinis, G. 2009, 'Overeducation and overskilling: Second generation Australians', submitted to *Economic Record*.
ISI Impact Factor (2008 edn): 0.418
5. Messinis, G. and Ahmed, A.D. 2008, 'Valuable skills, human capital and technology diffusion', submitted to *Journal of Economic Growth*, May. ISSN 1381-4338.
ISI Impact Factor 2.542
6. Messinis, G. and Cheng, E. 2008. 'Earnings, education and training in China: The migrant worker experience', submitted to *Education Economics*.
ISI Impact Factor (2006 edn): 0.643

7. Messinis, G. and Olekalns, N. 2008, 'Skill mismatch and returns to training in Australia: Some new evidence', submitted to *Economic Record*.
ISI Impact Factor (2008 edn): 0.418
8. Sweeny, K. and Malhotra, P. 2009, 'Implementing TRIPS in India: The availability and approval of new medicines', to be submitted to *Health Affairs*. ISSN 0278-2715.
ISI Impact Factor 3.249

PhD Theses submitted 2009

1. Syurkani Syurkani, *Inflation Dynamics and Monetary Policy in Indonesia*.
2. Thanet Wattanakul, *Economic and Trade Policy in Thailand: An Econometric Approach*.

Internal seminars

1. Collins, N. 2009, 'Earnings Transformation of Employment Relations in Transitional Economies: The Case of Vietnam', seminar presentation at CSES, 4 November.
2. Messinis, G. 2009, 'Earnings and Languages in the Family: Second-Generation Australians', seminar presentation at CSES, 28 October.
3. Faulconbridge, J. 2009, 'Globalization and the Making and Remaking of Transnational Lawyers', seminar presentation at CSES, 14 October.
4. Tran Van Hoa 2009, 'Economic Analysis of Climate Change: Substantive Evidence on China's CO2 Emissions-Growth Trade-off and IPCC Policy Relevance', seminar presented at CSES, 23 September.
5. Teske, S. 2009, 'Working for the Climate: Renewable Energy and the Green Job [R]evolution Renewable Energy Campaign Director, Greenpeace International', seminar presented at CSES, 15 September.
6. Smyth, R. 2009, 'A Panel Data Analysis of the Military Expenditure-External Debt Nexus: Evidence from Six Middle Eastern Countries', seminar presented at CSES, 15 July.
7. Nicolau, D. 2009, 'Application Driven Technologies: The Case of Geospatial Technologies', seminar presented at CSES, 1 July.
8. Pearman, G. 2009, 'Climate Change: Are We Up to the Challenge?', seminar presentation at CSES, 17 June.
9. Liddle, B. 2009, 'Revisiting World Energy Intensity Convergence: Regional Differences and Institutional Influences', seminar presentation at CSES, 3 June.
10. Preston, B. 2009, 'Complexity, Uncertainty and the Assessment of Climate Risk', seminar presentation at CSES, 27 May.
11. Simshauser, P. 2009, 'On Emissions Trading, Toxic Debt and the Australian Power Market', seminar presentation at CSES, 6 May.
12. Ison, R. 2009, 'Systemic and Adaptive Governance. The Case for Social Learning', seminar presentation at CSES, 29 April.
13. White, T. 2009, 'On Emissions Trading, Toxic Debt and the Australian Power Market', seminar presentation at CSES, 16 April.
14. Messinis, G. and Ahmed, A. 2009, 'Valuable Skills for Innovation and Adoption of New Technologies', seminar presentation at CSES, 1 April.
15. Lichtenberg, M. 2009, 'Diary of an Obama Campaign Footsoldier', seminar presentation at CSES, 25 March.
16. Lichtenberg, F. 2009, 'The Effects of Medical Care Quality and Behavioral Risk Factors on Health Outcomes', seminar presentation at CSES, 18 March.

17. Cormack, C. 2009, 'Energy, Climate Change and Transport Futures', seminar presentation at CSES, 2 April.
18. Gregory, R. G. 2009, 'Family Payments and Income Mobility Among Working Poor Families with Dependent Children', special lunchtime seminar presentation at CSES, 2 March.

CSES working papers and others

1. Lichtenberg, F.R. 2009, 'The Quality of Medical Care, Behavioral Risk Factors, and Longevity Growth', NBER Working Paper No. 15068, June, National Bureau of Economic Research, Cambridge, Mass.
2. Lichtenberg, F.R. 2009, 'Has Medicare Part D improved the health of elderly Americans?', SSRN Working Paper Series, 14 August, at: <http://ssrn.com/abstract=1452765>
3. Lichtenberg, F.R. 2009, 'Response to Baker and Fugh-Berman's critique of my paper "Why Has Longevity Increased More in Some States than in Others?"', SSRN Working Paper Series, 9 July, at: <http://ssrn.com/abstract=1431576>
4. Lichtenberg, F.R. 2009, 'The cost of medical innovation', VOX: Research-based Policy Analysis and Commentary from Leading Economists, 27 June, at: <http://www.voxeu.org/index.php?q=node/3707>
5. Lichtenberg, F.R. 2009, 'Pharmaceutical price discrimination and social welfare', working paper.
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Also from Knowledge Exchange
<http://www.knowledge-exchange.info/Default.aspx?ID=62&M=News&PID=10&NewsID=63>
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CSES Research Associates

External			
1.	Dr Sanjoy Bose	Lecturer and Director Executive Education	Graduate School of Management, Faculty of Law and Management, La Trobe University
2.	Professor Nicolae Bulz	Associate Professor	National Defence College, Bucharest, Romania
3.	Dr Enjiang Cheng	Research Director	International Poverty Reduction Center of China
4.	Dr Matthew Clark	Senior Lecturer	Deakin University
5.	Dr Ohidul Haque	CEO	IIBASS
6.	Dr Hans Lofgren	Senior Lecturer	Politics and Public Policy, Deakin University
7.	Mr Ainsley Jolley		
8.	Dr K.B. Oh	Senior Lecturer	Graduate School of Management, Faculty of Law and Management, La Trobe University
9.	Dr Mohammad Rusydi	Senior Lecturer	Universiti Brunei Darussalam, Brunei
10.	Dr Fiona Sun		
11.	Dr Sethapong (Paul) Watanapalachaikul		
Internal			

1. Shameem Ali	Lecturer	School of Hospitality, Tourism and Marketing, Faculty of Business and Law
2. Associate Professor Anona Armstrong	Director	Centre for International Corporate Governance Research, Faculty of Business and Law
3. Dr Steve Bakalis	Senior Lecturer	School of Applied Economics, Faculty of Business and Law
4. John Bentley	Senior Lecturer	School of Information Systems, Faculty of Business and Law
5. Roberto Bergami	Lecturer	School of Applied Economics, Faculty of Business and Law
6. Dr Nick Billington	Head	Victoria Graduate School of Business, Faculty of Business and Law
7. Associate Professor John Breen	Deputy Dean	Office of the Dean, Faculty of Business and Law
8. Dr Richard Chauvel	Senior Lecturer	Social of Social Sciences, Faculty of Arts
9. Dr Michelle Fong	Senior Lecturer	School of Applied Economics, Faculty of Business and Law
10. Romana Garma	Lecturer	School of Hospitality, Tourism and Marketing, Faculty of Business and Law
11. Richard Gough	Lecturer	School of Management, Faculty of Business and Law
12. P.J. Gunawardana	Senior Lecturer	School of Applied Economics, Faculty of Business and Law
13. Dr Inka Havrila	Lecturer	School of Applied Economics, Faculty of Business and Law
14. Hikaru Horiguchi	Student, Doctor of Business Administration	Victoria Graduate School of Business, Faculty of Business and Law
15. Maria Italia	Lecturer	School of Accounting and Finance, Faculty of Business and Law
16. Dr Kandiah Jegasothy	Lecturer	School of Applied Economics, Faculty of Business and Law
17. Pandora Kay	Lecturer	School of Hospitality, Tourism and Marketing, Faculty of Business and Law
18. Professor Brian King	Pro Vice-Chancellor Research	Office of Pro Vice-Chancellor Research (Industry and Community)
19. Sidney Lung	Lecturer	School of Applied Economics, Faculty of Business and Law
20. Dr Muhammad Mahmood	Senior Lecturer	School of Applied Economics, Faculty of Business and Law
21. Dr Karen Manning	Associate Dean Teaching and Learning	Office of the Dean, Faculty of Business and Law
22. Alex Manzoni	Teacher	School of Business, Hospitality and Personal Services, TAFE
23. Professor John McLaren	Professor	School of Communication, Culture and Languages, Faculty of Art
24. Mario Miranda	Senior Lecturer	School of Applied Economics, Faculty of Business and Law

25.	Dr Theo Papadopoulos	Associate Professor	School of Applied Economics, Faculty of Business and Law
26.	Dr Ali Saleh	Lecturer	School of Applied Economics, Faculty of Business and Law
27.	Dr Jordan Shan	Associate Professor	School of Applied Economics, Faculty of Business and Law
28.	Jasbir (Jesse) Singh	Lecturer	School of Applied Economics, Faculty of Business and Law
29.	Lindsay Smyrk	Senior Lecturer	School of Applied Economics, Faculty of Business and Law
30.	Michael Spisto	Lecturer	School of Law, Faculty of Business and Law
31.	John Tippet	Lecturer	School of Management, Faculty of Business and Law
32.	Dr Despina Whitefield	Lecturer	School of Accounting and Finance, Faculty of Business and Law
33.	Dr Guneratne Wickremasinghe	Lecturer	School of Accounting and Finance, Faculty of Business and Law
34.	Ruth Williams	Lecturer	School of Applied Economics, Faculty of Business and Law
35.	Professor David Worland	Honorary Professor	School of Management, Faculty of Business and Law
36.	Bruno Zeller	Senior Lecturer	School of Law, Faculty of Business and Law, Faculty of Business and Law
37.	Ming Zhou	Lecturer	School of Law, Faculty of Business and Law, Faculty of Business and Law
38.	Dr Segu Zuhair	Senior Lecturer	School of Applied Economics, Faculty of Business and Law
