

Agenda

Research Committee

University of Ballarat
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Meeting No:	RC 4/12		
Date and Time:	Thursday 26 July, 10.30am – 12.30pm		
Venue:	Council Room, Mt Helen		
Executive Officer:	Ms Camelia Prenc		
Tel:	03 5327 6262	Email:	c.prenc@ballarat.edu.au

Procedural Matters

- ★ 1. **Welcome & Apologies**
 - 1.1 **Welcome**

Chair
 - 1.2 **Apologies**

Executive Officer
- 2. **Other Preliminary Matters**
- 3. **Strategic Matters**
 - 3.1 **Quality Research Training Challenges for UB**
- 4. **Chair's Report**

Nil
- ★ 5. **Starring of items and approval of non-starred items**
 - 5.1 **Starred Items**

Consider which items should be 'starred' and therefore open for discussion in addition to those already marked with an asterisk.

Chair
 - 5.2 **Non-Starred Items Recommendation**

All items on the agenda not "starred" be adopted without discussion, and the action recommended be taken or the information therein noted.

Chair
- ★ 6. **Minutes**

Research Committee is invited to confirm the attached minutes from meeting 3/12 held 7 June 2012.

For confirmation
Chair

Attached paper – Agenda paper 6

Recommendation
That Research Committee confirm the minutes of meeting 3/12 held 7 June 2012.

- ★ 7. **Matters Arising from the Minutes**
7.1 **Action List – Meeting 3/12**
Attached is the action list from the last meeting of Research Committee.
For noting
Attached paper – Agenda paper 7.1

- ★ 8. **Schedule of Business**
8.1 **Research Committee Schedule of Business**
Attached for discussion is the Research Committee Schedule of Business 2012.
For discussion
Chair
Attached paper – Agenda paper 8.1

Items for Reporting/Noting

- ★ 9. **Deputy Vice-Chancellor (Research)**
Prof Frank Stagnitti will provide a verbal report to the Committee.
Verbal report
Prof Frank Stagnitti

- ★ 10. **Research Administration Manager**
Ms Di Clingin will provide a report to the Committee.
Verbal report
Ms Di Clingin

- ★ 11. **Collaborative Research Network (CRN)**
Dr Jonathan Wearne will provide a verbal report to the Committee.
Verbal report
Dr Jonathan Wearne

12. **Research Higher Degrees Sub-Committee**
12.1 **Minutes**
No minutes have been received from the Research Higher Degrees Sub-Committee.

- 12.2 **Higher Degree by Research awards**
Attached for noting are the Higher Degree by Research awards that were approved by the Chair Academic Board, on advice from Chair Research Higher Degrees Sub-Committee and the Chair of Research Committee, in between meetings.

- Doctor of Philosophy – Gerard Ayers
- Doctor of Philosophy – Elizabeth Grylls
- Doctor of Philosophy – Faezeh Afshar
- Doctor of Philosophy – Mamoun Alazab
- Masters in Human Movement (Bio-Science) – Daryl Foy
- Doctor of Philosophy – Amir Ghandi
- Doctor of Philosophy – Deidre Giblin
- Doctor of Business Administration – Shameen Ali

For noting
Attached paper – Agenda paper 12.2

Recommendation

Research Committee forwards to Academic Board for noting the Higher Degree by Research awards that were approved by the Chair Academic Board, on advice from Chair Research Higher Degrees Sub-Committee and the Chair of Research Committee, in between meetings.

13. Reports from School Research Committees

13.1 Business

Attached for noting are the minutes from The Business School Research Committee 3/12 meeting held 13 June 2012.

**For noting
Attached paper – Agenda paper 13.1**

Recommendation 1

Open Access

The Chair provided an update on the open access issue. A sub-committee of the University Research Committee was set up to review the current policies on open access and develop a recommendation. Open access will increase regional engagement by making research more accessible to the region. It will also help to increase the amount of citations. A document was circulated to the Committee during the meeting which stated the recommendations proposed by A/Prof Jerry Courvisanos. The same document will also be circulated at the other School Research Committee meetings for feedback and whether they are in agreement with the recommendations.

The Committee felt that open access may have a negative impact on research especially for young academics. The Committee also felt that funding of open access may incur a significant cost to the School. There were also issues around publishing a thesis in regards to holding off until papers were published from the thesis and ethical concerns.

Overall the Committee supports the five recommendations put forward for the University Research Committee on the basis that a support system for staff is put in place by Research Services so they can publish effectively and to seek support through RUN University's on whether they would also support this open access approach.

Recommendation 2

Research Matters - Research Schedule

The Chair circulated a document to all Committee members outlining items and tasks that need to be developed that was raised at the University Research Committee. The Chair stated that only two Schools have submitted their research plans, Business being one of them. The Chair asked the Committee to provide any feedback, comments or other items that should be added to the schedule. It was suggested that open access should be added to the schedule. A/Prof Jerry Courvisanos will raise this at the next University Research Committee meeting.

13.2 Education & Arts

Attached for noting are the minutes from Education & Arts Research Committee 2/12 meeting held 18 May 2012.

**For noting
Attached paper – Agenda paper 13.2**

13.3 Health Sciences

No minutes have been received from the Health Sciences.

13.4 Science, Information Technology & Engineering

13.4.1 Attached for noting are the minutes from SITE Committee 3/12 meeting held 11 May 2012.

For noting
Attached paper – Agenda paper 13.4.1

13.4.2 Attached for noting are the minutes from SITE Committee 4/12 meeting held 15 June 2012.

For noting
Attached paper – Agenda paper 13.4.2

14. Human Research Ethics Committee

No minutes have been received from the Human Research Ethics Committee.

15. Animal Ethics Committee

No minutes have been received from the Animal Ethics Committee.

16. Academic Board Correspondence

Attached for noting is an extract of minutes from Academic Board meeting 4/12 held on 27 June 2012.

For noting
Attached paper – Agenda paper 16

Other Business

★ 17. Schools Expenditure Plan for the Research Block Grant

Attached for discussion is the Schools Expenditure Plan for the Research Block Grant.

For discussion
Professor Frank Stagnitti
Attached paper – Agenda paper 17

★ 18. Protocols for collection of data on research from TAFE

Professor Barry Golding will lead discussion on the protocols for collection of data on research from TAFE.

For discussion
Professor Barry Golding

Date of Next Meeting

The next meeting of the Research Committee will be held on **Thursday 30 August 2012** at 10.30 am in the Council Room, Mt Helen campus.

Agenda items for the next meeting should be submitted to Valma Ffrost, Executive Officer for Research Committee v.ffrost@ballarat.edu.au by Monday 20 August 2012.

Unconfirmed Minutes Research Committee

Meeting No:	RC 3/12	
Date and Time:	Thursday 7 June 2012 at 10.30am	
Venue:	Council Room, Mt Helen	
Present:	Dr Fadi Charchar (Deputy Chair) Ms Dianne Clingin Assoc Prof Jerry Courvisanos Prof Richard Light	Dr Keely Mills Assoc Prof Suzanne McLaren (Chair) Prof Erica Smith Prof Frank Stagnitti
In Attendance:	Assoc Prof Brad Mitchell Ms Camelia Prenc	
Absent:	Mr Grant Meredith	
Executive Officer:	Ms Valma Ffrost	

Procedural Matters

1. Welcome & Apologies

1.1 Welcome

The Chair welcomed members to the meeting.

The Chair welcomed Assoc Prof Brad Mitchell who was in attendance to speak to Item 10.2 – Show Cause Procedure for Higher Degree by Research Students (HE) and Ms Camelia Prenc from Academic Services who will be the Executive Officer at the next Research Committee meeting.

Members agreed to Item 10.2 – Show Cause Procedure for Higher Degree by Research Students (HE) being brought forward, prior to Item 3.1 (Women's Research Network) to enable Assoc Prof Brad Mitchell to speak to this item.

1.2 Apologies

Apologies were received from Dr Jonathan Wearne, Prof Barry Golding, Prof Peter Gell, Ms Carmel Grant and Prof Barry Wright.

2. Other Preliminary Matters

3. Strategic Matters

3.1 Women's Research Network (WReN)

The Chair invited Prof Erica Smith to provide an update on the activities of the WReN.

Prof Smith informed members that during the second half of 2011 discussions were held in regards to establishing the network. The Vice-Chancellor, Professor David Battersby officially launched the WReN on 14 February 2012. The launch was well attended and was open to women and men attending. Dr Kate White, who has joined UB as an adjunct researcher, was the keynote speaker.

The WReN is an informal network that meets approximately every 6 weeks over lunchtime. Prof Smith provided a written summary of issues raised at the WReN consultations to members of the Research Committee. The summary of topics are: Celebration; Advocacy; Support; Inclusion; and Education.

A moodle site has been established for all people that want to be part of the network. People can nominate any topic for discussion. This network will continue as long as there is a need for people to speak about research. Setting up the network has been interesting and exciting.

Discussion was held and the following points noted:

- Prof Frank Stagnitti congratulated Prof Smith and everyone involved in the WReN. It is a wonderful initiative.
- It was suggested that the WReN could create a paper on what other universities are doing to support women in research.
- It was also suggested that higher degree by research (HDR) students could be invited to attend the WReN.
- There is no appointed leader of the WReN. The network just evolves and runs itself.
- The Research Committee does not set the agenda or delegate tasks to the WReN. The WReN is a voluntary participation network.
- The WReN will be included on the Research Committee's Schedule of Business.

The Chair thanked Prof Smith for her update.

3.2 Quality Research Training Challenges for UB

4. Chair's Report

5. Starring of items and approval of non-starred items

5.1 Starred Items

Items 1, 3.1, 5, 6, 7, 8, 9, 10, 11 and 17.

5.2 Non-Starred Items

Resolution RC3/12/1

All items on the agenda not "starred" were adopted without discussion, and the action recommended be taken or the information therein noted.

6. Minutes

The Research Committee was invited to confirm the attached minutes from meeting 2/12 held 26 April 2012.

Resolution RC3/12/2

Research Committee confirmed the minutes of meeting 2/12 held 26 April 2012.

7. Matters Arising from the Minutes

7.1 Action List – Meeting 2/12

The Committee noted the action list from meeting 2/12 and the following updates were provided:

- **6. Minutes** – The Executive Officer has updated amended the minutes from Research Committee 1/12 to reflect the changes required. The Chair thanked Prof Erica Smith for assistance in getting the wording for the recommendations correct.

- **8.1 Research Committee Schedule of Business** – The Committee will discuss this item under item 8.1 of today's agenda.

7.2 **UB Repository Policy Review**

The Chair requested Prof Jerry Courvisanos to provide background to his paper on Open Access (OA).

Prof Courvisanos informed members that the paper provided to the Committee is a revised version of the report that was submitted by Ms Carmel Grant at the previous meeting of Research Committee. It was noted in the previous minutes of the Committee that I would report back on the broader implications of OA at UB. The dynamic landscape of OA has changed since the report was written.

The open access movement can be followed by going to [The Conversation](#) website. There is more awareness on OA and people wanting to do something about it. The National Health and Medical Research Council (NHMRC) want open access after 12 months. Since the report from the European Union (EU), the EU has advised that any EU research funded activity must be made available on OA. ARC CEO Margaret Shiel is not a supporter of OA. OA also raises real issues about how the ERA works.

Prof Courvisanos, after having looked at this issue in detail, provided the Committee with the following five recommendations:

1. The current *UB Research Online* repository policy does not reflect the current OA activities within UB, which are limited to providing information about and access to UB research output relating to ERA activities. However the placing in this Repository of papers that are not the actual publications but some inferior non-published version, together with evidence of non-response, places the validity of this UB Repository Policy into question.
2. An alternative approach *should* be considered; one that reflects a more valid Repository and also that supports the growing trend towards public open access of the academic research output from UB. Such an approach has the potential to increase regional engagement, citation rates and impact of UB research. This would then greatly benefit UB in the context of the University's Compact with the Federal Government.
3. This alternative approach to increasing UB research access through OA publishing could be achieved through the following:
 - a. A more robust *Green OA* Repository Policy by UB which mandates all UB research outputs to the UB Research Online Repository, with an opting out option for staff who cannot obtain open access for their forthcoming publication (a request for open access from publishers does not threaten publication, but places publishers on notice)
 - b. A more supportive *Gold OA* publishing policy by setting up arrangements to assist the interests of producers of research output by supporting these researchers to identify appropriate OA journals to publish in and provide financial support to publish in strong peer-review OA journals.
4. A standing sub-committee of the Research Committee should be appointed to manage and co-ordinate UB's response to this rapidly moving issue.
5. Open Access publishing and external requirements for UB researchers to comply and be successful in attracting funding means that consideration should be given at an institutional level to a position and response to OA publishing along the lines suggested above.

Discussion was held and the following points noted:

- The UB Library is advised through Higher Education Research Data Collection (HERDC) when an article can be placed on the repository of UB Research Online. The Library will contact the person responsible for a pre published version of their work. The reason for the repository is a requirement of the ERA.

Unconfirmed Minutes

Research Committee 3/12

- There are closed access journals on the UB Research Online repository.
- The Melbourne Institute of Technology (MIT) put everything online and open access. Even their courses. It would be a bold move for UB to go open access.
- Prof Frank Stagnitti supports these recommendations.
- It can be quite expensive when using some publishing companies.
- You cannot use university funds to publish, unless it is included in a staff member's letter of offer.
- Concern was raised that these recommendations could make some academics feel guilty and restrict publishing.
- The intent of these recommendations is to not make publishing harder for academics.
- Academics need to be made aware of what contracts they are signing in regards to restricting their publishing.

Ms Camellia Prenc left the meeting.

Members agreed that the Associate Deans of Research (ADR) would take this paper back to their respective School Research Committees to provide further comment. The ADRs are to report their comments back to the next meeting of Research Committee.

The Chair thanked Prof Courvisanos for all the work that has been done on this issue of Open Access at UB.

8. Schedule of Business

8.1 Research Committee Schedule of Business

The Chair invited discussion from the Committee in regards to populating Research Committee Schedule of Business for 2012.

Discussion was held and the following points noted:

- The WReN will be listed on the Schedule of Business as a way to facilitate a research culture at UB.
- The Executive Officer and the Research Admin Manager will confirm which academic staff members sit on academic selection panels.
- Research Themes may be replaced with Platforms / Pillars.
- The DVCR is currently finalising the School Research Plans and will provide a position paper to the Committee at the end of year on the direction as to where UB might head regarding research.
- ADRs are to take the Research Committee Schedule of Business back to their respective School Research Committees for ideas and strategies that could be used.

Items for Noting/Reporting

9. Deputy Vice-Chancellor (Research)

The Chair invited Prof Frank Stagnitti to provide a report to the Committee.

Prof Frank Stagnitti informed the Committee of the following:

- The Australian Research Council (ARC) is conducting an audit on ARC grants at UB. The ARC has chosen five grants and will work through every transaction. UB was last audited in 2004. Prof Stagnitti will keep the Committee informed of the audit progress.
- Prof Stagnitti attended a research development workshop which was run by the University of Sunshine Coast (USC). The intention is to develop a national framework for research

development and research training that is particularly relevant to the RUN. The outcome will result in a research paper. Prof Stagnitti will provide this position paper to the Committee in due course.

- The CRN is progress well. All post doctoral positions at UB and with our partners have now been filled. Three milestone reports have been submitted. Early indications by the Department of Innovation Industry, Science and Research (DIISR) are that they are happy with the report. UB has met all milestones in a timely fashion and DIISR will visit UB in the near future to go through our paperwork.
- There was a CRN2 and only four universities were invited to apply. They were Bond University, The University of Notre Dame, Australian Catholic University and Melbourne College of Divinity. These universities missed out on funding in the original CRN bid.
- The university's grant manual has been completed and there a formal launch will be held on 25 June 2012. This document will assist academics/staff when applying and writing for grants. Prof Stagnitti encouraged all members of the Committee to attend the launch.
- The Group of 8 (Go8) and the Australian Technology Network (ATN) group of universities have been working on a report on measuring the impact of research. Prof Stagnitti has requested ADRs take this report to their respective School Research Committee meetings. This topic should be discussed at a future Committee meeting. This report will be distributed to members for their information.
- We have filled the Emeritus Professor Robert HT Smith Research Fellows in Rural and Regional Research and in eResearch. The position in Indigenous Research award was not able to be filled. It will remain open until filled.
- Prof Stagnitti provided a handout to members of the Committee in regards to the schools expenditure plans for the research block grants. This item to be placed on the next agenda for RC. ADRs are to take this handout back to their respective School Research Committee and provide comment at next meeting.
- Prof Stagnitti has joined a National Working Party to review the HERDC collection and publications. The working party will review what counts as a publication including for example electronic HDR theses. This is a bold step.

The Chair thanked Prof Stagnitti for his report.

10. Research Administration Manager

10.1 Report from the Research Administration Manager

The Chair invited Ms Di Clingin to provide a report to the committee.

Ms Di Clingin informed the Committee that a written report had been provided for members with the agenda. Research Services is currently very busy. The 2012 HERDC Financial Report data is being reviewed and audited for compliance and the ARC End of Year Reports were submitted to the ARC by the end of March and have been accepted. There were a number of grants with very large carryover requests, which may be a cause for concern for the ARC.

Discussion was held and it was noted that universities are randomly picked for auditing. Some universities have never been audited.

The Chair thanked Ms Clingin for her report.

10.2 Show Cause Procedure for Higher Degree by Research Students (HE)

The Chair invited Assoc Prof Brad Mitchell to provide background in regards to the Show Cause Procedure for Higher Degree by Research Students (HE) recommendation.

Assoc Prof Mitchell informed members that previous issues with the procedure have been addressed. Most of the discussion has been around the miscellaneous request form. The miscellaneous request form would be used in addition the six monthly interval between Progress Reports and allows provision for the student to raise any concerns they have at anytime and hopefully assisting detection and response to factors affecting student progress in a timely manner.

Discussion was held and the following points noted:

The HDR student supervisor would contact the Principal Research Fellow, Partnerships and Engagement Research Services if they wanted to raise any concerns. This is an informal process.

The procedure is to be altered to reflect consistency that the student is to address any concerns or issues to the ADR. The ADR will then make a recommendation to the Dean if required.

Resolution RC3/12/3

Research Committee approved and forward to Academic Board for approval, the Show Cause Procedure for Higher Degree by Research Students (HE).

This item was discussed prior to Item 3.1 – Strategic Matters, WRnN.

Assoc Prof Brad Mitchell left the meeting.

11. Collaborative Research Network (CRN)

In the absence of Dr Jonathan Wearne, Prof Frank Stagnitti provided an update on the CRN within the Deputy Vice-Chancellor Research Report.

12. Research & Higher Degrees Sub-Committee

12.1 Minutes 2/12

The Committee noted the circulatory resolution minutes from the Research by Higher Degrees Sub Committee 2/12 held 16 May 2012.

12.2 Higher Degree by Research Awards

The Committee noted the Higher Degree by Research awards that were approved by the Chair Academic Board, on advice from Chair Research Higher Degrees Sub-Committee and the Chair of Research Committee, in between meetings.

Resolution RC3/12/4

Research Committee forwards to Academic Board for noting the Higher Degree by Research awards that were approved by the Chair Academic Board, on advice from Chair Research Higher Degrees Sub-Committee and the Chair of Research Committee, in between meetings.

13. Report from School Research Committees

13.1 Business

The Committee noted the minutes from The Business School Research Committee 2/12 meeting held 18 April 2012.

13.2 Education & Arts

The Committee noted the minutes from Education & Arts Research Committee 1/12 meeting held 9 March 2012.

Unconfirmed Minutes Research Committee 3/12

Resolution RC3/12/5

Research Committee noted the School Research Plan, acknowledging that it is a working document that the School Research Committee will continue to develop.

13.3 Health Sciences

The Committee noted no minutes have been received from Health Sciences.

13.4 Science, Information Technology & Engineering

The Committee noted no minutes have been received from Science, Information Technology & Engineering.

14. Human Research Ethics Committee

The Committee noted the minutes from the Human Research Ethics Committee 2/12 meeting held 28 March 2012.

15. Animal Ethics Committee

The Committee noted no minutes were received from the Animal Ethics Committee.

16. Academic Board Correspondence

The Committee noted the extract of minutes from Academic Board meeting 3/12 held on 16 May 2012.

17. PhD Masterclass

The Chair invited Prof Erica Smith to provide an update on the PhD Masterclass 2012 from the School of Education and Arts.

Prof Smith informed members that the paper attached to the agenda was written for anyone who may want to do something similar. A table has been included that lists the details for what is happening at each workshop. The PhD Masterclass may be offered again in 2014 as there has been interest and currently people are on a waiting list. The PhD Masterclass has a high reputation and all the key academics involved are well connected within the VET sector. Participants feel obtaining a higher degree will help their careers.

Prof Frank Stagnitti congratulated Prof Smith and everyone that has been involved in the program. It is the way forward for research training at UB. Prof Stagnitti strongly supports and encourages this program. The School of Education and Arts are thinking of developing a similar program around the history network.

The Chair thanked Prof Smith for her update on this excellent initiative.

Other Business

Nil

Unconfirmed Minutes Research Committee 3/12

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Date of Next Meeting

The Chair advised that Dr Fadi Charchar will be the Chair of the next Research Committee meeting on 19 July 2012.

The next meeting of the Research Committee will be held on **Thursday 19 July 2012** at 10.30 am in the Council Room, Mt Helen campus.

Agenda items for the next meeting should be submitted to Valma Frost, Executive Officer for Research Committee v.frost@ballarat.edu.au by Monday 9 July 2012.

The meeting concluded at 12.10 pm

Research Committee 3/12

Held 7 June 2012 - Action Items



Item	Action	Status
Forward minutes and summary sheet to Academic Board.	Exec Officer	Completed
Send minutes and action items sheet to members.	Exec Officer	Completed
Send extract of minutes to relevant committees.	Exec Officer	Completed
Publish minutes on Academic Board website.	Exec Officer	Completed
7.2 UB Repository Policy Review		
Members agreed that the Associate Deans of Research (ADR) would take this paper back to their respective School Research Committees to provide further comment. The ADRs are to report their comments back to the next meeting of Research Committee.	ADRs	
8.1 Research Committee Schedule of Business		
ADRs are to take the Research Committee Schedule of Business back to their respective School Research Committees for ideas and strategies that could be used.	ADRs	
9. Deputy Vice-Chancellor (Research)		
Prof Stagnitti provided a handout to members of the Committee in regards to the schools expenditure plans for the research block grants. This item to be placed on the next agenda for RC. ADRs are to take this handout back to their respective School Research Committee and provide comment at next meeting.	ADRs	

Research Committee

2012 Schedule of Business

	Task	Expected Completion	Details	Status Ongoing/Completed
1.	Research Strategic Plan 2012 - 2015			
2.	Platforms / Pillars		<ul style="list-style-type: none"> • Discussion between ADRs and DVCR. • Finalisation of School Research Plans. • Position paper by end of 2012. 	
3.	Excellence in Research in Australia (ERA)		<ul style="list-style-type: none"> • Strengthen areas of codes to reach threshold. • Adjunct appointments. 	
4.	Investment in Research at UB			Ongoing
5.	To foster the growth of a research culture at UB.		<ul style="list-style-type: none"> • Emerging leaders in Research, Prof Jim Sillitoe. • Women's Research Network (WReN). • ADRs being on new appointment selection panels. • New academic induction for Human Resources. 	

Research Committee

2012 Schedule of Business

	Task	Expected Completion	Details	Status Ongoing/Completed
6.	Review the quality of research undertaken by HDRs Required?			
7.	Develop new pathways into HDRs		Research training around the honours and masters level, and ensure masters pre-qualify. Pathway?	
8.	KPIs to be considered			
9.	Collaborative Research Network (CRN)		<ul style="list-style-type: none"> Engage and communicate to wider UB community. Embed CRN in each school's Research Committee. 	
10.	International Research Collaboration		International Collaboration Working Party.	Ongoing – Prof Peter Gell

Higher Degree by Research Awards

Research Higher Degrees Sub-Committee

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Recommendations for Higher Degree by Research Awards Academic Board Standing Resolution AB4/08/18

Academic Board approved delegation of its responsibilities and powers in relation to research higher degrees candidature matters, to the Chair of Academic Board. The Chair's decisions are based on advice from the Research Higher Degrees Sub-Committee and the Chair of Research Committee.

Doctor of philosophy

RHDSC recommends that Mr Gerard Ayers from SHS be recommended for the award of the degree of Doctor of Philosophy.

The RHDSC and the Chair of Research Committee recommends that the Chair of Academic Board, having delegated authority from Academic Board, approve and recommend directly to Council that Mr Ayers having completed all the requirements of the degree of Doctor of Philosophy be granted the degree.

Degree: Doctor of Philosophy
Student: Gerard Ayers
Title: Consultation and Organisational Maturity in Victorian Construction Industry
Principal Supervisor: Professor Dennis Else

Doctor of philosophy

RHDSC recommends that Ms Elizabeth Grylls from SHS be recommended for the award of the degree of Doctor of Philosophy.

The RHDSC and the Chair of Research Committee recommends that the Chair of Academic Board, having delegated authority from Academic Board, approve and recommend directly to Council that Ms Grylls having completed all the requirements of the degree of Doctor of Philosophy be granted the degree.

Degree: Doctor of Philosophy
Student: Elizabeth Grylls
Title: The Development of a Structural Equation Model for Athletic Identity in Australian Adolescent Athletes
Principal Supervisor: Dr Christopher Mesagno

Higher Degree by Research Awards

Research Higher Degrees Sub-Committee

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30/5/2012

Approved – Chair Research Higher Degrees Sub-Committee

Date

[Handwritten signature]

30/5/12

Approved – Chair Research Committee

Date

[Handwritten signature]

4 June 2012

Approved – Chair Academic Board

Date

Higher Degree by Research Awards

Research Higher Degrees Sub-Committee

University of Ballarat
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Abstract

Degree: Doctor of Philosophy
Student: Gerard Ayers
Title: Consultation and Organisational Maturity in Victorian Construction Industry
Principal Supervisor: Professor Dennis Else
Associate Supervisor: Dr John Culvenor

Consultation is generally considered essential in order to achieve high levels of occupational health and safety (OHS). Indeed, it is mandated under many OHS regulatory frameworks. However, there is no guarantee that such legislative provisions will result in consultation being both meaningful and effective in terms of OHS outcomes – especially in dangerous and hazardous industries.

The Victorian construction industry, like the construction industry in general, is acknowledged for its dangerous and hazardous nature. It has a large transitory workforce with little permanent job security and often suffers from a multifarious and disjointed work organisation structure. Such features tend to work against an environment that openly recognises and encourages meaningful and effective consultation and tends to confound the development of any kind of social and positive learning and communicative culture within the industry, leading to an underutilization of the knowledge and skill contained within the workforce.

Organisational maturity is acknowledged as a concept that can assist organisations in realizing higher standards of OHS; especially in high risk and hazardous industries. However, it is a relatively new and under-researched construct in the Victorian construction industry. The important role that moral and ethical principles play in consultation is also now beginning to emerge and gain wider recognition within the literature.

This research project set out to examine how such principles were applied during OHS consultation by key individuals from Victorian construction companies deemed to have reached different levels of organisational maturity, and whether this consultation could be considered to be meaningful and effective.

In practical terms, if individuals are allowed to freely acknowledge and apply particular moral and ethical principles during OHS consultation, and if the consultation is allowed to focus on more strategic and longer term OHS and organisational matters, this may yield more OHS benefits to both workers and organisations.

Higher Degree by Research Awards

Research Higher Degrees Sub-Committee

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Degree: Doctor of Philosophy
Student: Elizabeth Grylls
Title: The Development of a Structural Equation Model for Athletic Identity in Australian Adolescent Athletes
Principal Supervisor: Dr Christopher Mesagno
Associate Supervisor: Dr Michael Spittle

Athletic identity is the degree to which an individual defines him or herself as an athlete (Brewer, Van Raalte, & Linder, 1993). Athletic identity has been linked to various cognitive and behavioural outcomes, such as career maturity (e.g., Albion & Fogarty, 2005), problems associated with sporting retirement (e.g., Webb, Nasco, Riley, & Headrick, 1998), and sport participation (e.g., Lau, Fox, & Cheung, 2005). To measure athletic identity, Brewer et al. developed the Athletic Identity Measurement Scale (AIMS), however, research using the AIMS has focused on a narrow range of participants, including elite athletes (e.g., Matheson, Brewer, Van Raalte, & Anderson, 1994), and athletes in sporting transition (e.g., Brewer et al., 1993). Adolescence is an important time for identity development, yet few studies have explored athletic identity in adolescents. Thus, the two interconnected studies in this dissertation were designed to explore athletic identity in both Australian adults and Australian adolescents, with a major goal of developing a structural equation model of athletic identity in Australian adolescent athletes.

The initial study (henceforth named Study 1) explored athletic identity in a cross-section of Australian sports participants ($n = 42$ adolescents, $n = 222$ adults). The study aimed to compare athletic identity between Australian adolescent and adult sports participants, and to explore the factors that predict athletic identity in both groups. Athletic identity was significantly stronger for adolescents than the adults, with different factors (e.g., hours training and competing per week and number of friends involved in sport) predicting athletic identity in the two groups.

Identity development is a self-reflective experience in which all adolescents have to undertake, yet few athletic identity models exist that help determine important factors in the athletic identity development process. Furthermore, the finding that athletic identity was stronger in adolescent participants in Study 1 provided the catalyst for Study 2 (610 participants). Two models of athletic identity in Australian adolescents were examined, based on previous research factors such as enjoyment, importance of sport, and number of friends involved in sport, and strength between factors. By identifying the factors that are important and which factors interact, this research may provide the basis for predicting athletic identity in a group where little athletic identity research has been conducted.

The results of Study 2 revealed that athletic identity was strongest in the adolescent participants 12 to 14 years of age. Athletic identity was found to be stronger in males than in females. Similarly, the models of athletic identity were different between the males and the females. That is, cognitive factors were important in influencing athletic identity for the male athletes, whereas cognitive and social factors were important for athletic identity with the female athletes.

Higher Degree by Research Awards

Research Higher Degrees Sub-Committee

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Recommendations for Higher Degree by Research Awards Academic Board Standing Resolution AB4/08/18

Academic Board approved delegation of its responsibilities and powers in relation to research higher degrees candidature matters, to the Chair of Academic Board. The Chair's decisions are based on advice from the Research Higher Degrees Sub-Committee and the Chair of Research Committee.

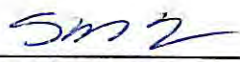
Doctor of philosophy

RHDSC recommends that Mrs Faezeh Afshar from SITE be recommended for the award of the degree of Doctor of Philosophy.

The RHDSC and the Chair of Research Committee recommends that the Chair of Academic Board, having delegated authority from Academic Board, approve and recommend directly to Council that Mrs Afshar having completed all the requirements of the degree of Doctor of Philosophy be granted the degree.

Degree: Doctor of Philosophy
Student: Faezeh Afshar
Title: Shared Value Priorities in Groups: Values held by adherents of the Bahai Faith
Principal Supervisor: Dr Andrew Stranieri


Approved – Chair Research Higher Degrees Sub-Committee Date 5/06/2012


Approved – Chair Research Committee Date 7/5/12


Approved – Chair Academic Board Date 8 June 2012

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Abstract

Degree: Doctor of Philosophy
Student: Faezeh Afshar
Title: Shared Value Priorities in Groups: Values held by adherents of the Bahai Faith
Principal Supervisor: Dr Andrew Stranieri
Associate Supervisor: Professor John Yearwood

Values such as honesty, meaning in life, pleasure, justice and freedom are guiding principles in motivating the selection and evaluation of individual behaviour and goals. They are also important for understanding cultural norms, attitudes and practices. In previous studies individuals and groups have often been found to be willing to subordinate their values toward goals and behaviours that are aligned with their own group; their 'in-group'. Studies of values within a group have not reported evidence for the subordination of their values toward universal goals and behaviours; their 'out-groups'.

This research is the first to examine widely the values held by adherents of the Bahá'í Faith; a world-wide religious community that envisions a united global society. The main aim of this thesis is to discover and explain the system of value priorities held by Bahá'ís. Data was obtained from an online survey of over one thousand responses to the cross-culturally validated 'Schwartz Value Survey'. Data relating to the degree of commitment to religion referred to as religiosity, was also collected in addition to demographic information.

The results indicate the individual and cultural systems of value priorities of the Bahá'í world community. Unusually high consensus in the systems of value priorities amongst

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respondents were found despite wide variations in their culture, age, education, income, employment and previous religious beliefs. The universally oriented nature of the values and high degree of consensus was explained with reference to particular epistemological perspectives and practical ordinances inherent in the Bahá'í Writings. Past studies have revealed a consistent order of associations between value priorities and religiosity. In this thesis, a different pattern of associations was observed. In addition, value items describing a Spirituality value type was found to be held as the highest priority. Although theorized by Schwartz (1992), this has not previously been observed in other value surveys. Further, past studies on religiosity revealed that compassionate values in religious groups were focused toward the in-group whereas these values for the Bahá'í respondents used here were indicated to be focused toward both in and out-groups. These variations were found to be consistent with the theological and epistemological perspectives in the Bahá'í Writings.

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Doctor of philosophy

RHDSC recommends that Mr Mamoun Alazab from SITE be recommended for the award of the degree of Doctor of Philosophy.

The RHDSC and the Chair of Research Committee recommends that the Chair of Academic Board, having delegated authority from Academic Board, approve and recommend directly to Council that Mr Alazab having completed all the requirements of the degree of Doctor of Philosophy be granted the degree.

Degree: Doctor of Philosophy
Student: Mamoun Alazab
Title: Forensic Identification and Detection of Hidden and Obfuscated Malware
Principal Supervisor: Dr Sitalakshmi Venkatraman

7/06/2012

Approved – Chair Research Higher Degrees Sub-Committee

Date

15/6/12

Approved – Chair Research Committee

Date

19 June 2012

Approved – Chair Academic Board

Date

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Abstract

Degree: Doctor of Philosophy
Student: Mamoun Alazab
Title: Forensic Identification and Detection of Hidden and Obfuscated Malware
Principal Supervisor: Dr Sitalakshmi Venkatraman
Associate Supervisor: Associate Professor Paul Watters

The revolution in online criminal activities and **malicious software** (malware) has posed a serious challenge in malware forensics. Malicious attacks have become more organized and purposefully directed. With cybercrimes escalating to great heights in quantity as well as in sophistication and stealth, the main challenge is to detect hidden and obfuscated malware. Malware authors use a variety of obfuscation methods and specialized stealth techniques of information hiding to embed malicious code, to infect systems and to thwart any attempt to detect them, specifically with the use of commercially available anti-malware engines. This has led to the situation of zero-day attacks, where malware inflict systems even with existing security measures. The aim of this thesis is to address this situation by proposing a variety of novel digital forensic and data mining techniques to automatically detect hidden and obfuscated malware.

Anti-malware engines use signature matching to detect malware where signatures are generated by human experts by disassembling the file and selecting pieces of unique code. Such signature based detection works effectively with known malware but performs poorly with hidden or unknown malware. Code obfuscation techniques, such as packers, polymorphism and metamorphism, are able to fool current detection techniques by modifying the parent code to produce offspring copies resulting in malware that has the same functionality, but with a different structure. These evasion techniques exploit the drawbacks of traditional malware detection methods, which take current malware structure and create a signature for detecting this malware in the future. However, obfuscation techniques aim to reduce vulnerability to any kind of static analysis for the detriment of any reverse engineering process. Furthermore, malware can be hidden in file system slack space, inherent in NTFS file system based partitions, resulting in malware detection even more difficult.

Security researchers and the anti-malware industry are facing a herculean task in extracting the payload, the de-obfuscated malware, and maliciousness hidden by these techniques. For

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effective and efficient solutions, this thesis moves away from the signature based detection to anomaly based detection. This thesis aims to provide solutions to the problem of detecting hidden and obfuscated malware through the following major contributions to the literature:

One – Propose a method for detecting malicious software that is hidden in NTFS slack space partitions. NTFS file system provides useful information leading towards identifying hidden malware and presentation of digital evidence for the court of law. Chapter 3 of thesis provide knowledge, methodology and discusses the analysis techniques used to successfully detect maliciousness in hidden data and hidden space, by investigating the NTFS file system boot sector.

Two – Extracting features from the obfuscated executables for reverse obfuscation is labor intensive and requires deep understanding of kernel and assembly programming. Develop s fully automated system to extract two independent features, namely OP code and API function call features for finding the fingerprint of executable programs and for detection and differentiation of different files that are either malicious or benign.

Three – Propose anomaly based detection that focuses on the extended x86 IA-32 binary assembly instructions' frequency statistics, using i) Maximum Relevance (MR) filter heuristic, ii) Artificial Neural Net Input Gain Measurement Approximation (ANNIGMA), and iii) combination of MR and ANNIGMA (MR-ANNIGMA). Experimental results show that our frequency-statistics based approach achieves high accuracy ~96%.

Four – Propose similarity based detection of unknown malware using API function calls features, using various distance measures of vector models. Experimental analysis claims that our proposed method is an effective method to accurately differentiate malware from benign files and, more importantly, to detect obfuscated malware families.

Five – Investigate the employment of various robust supervised machine learning algorithms on API function call features. Experimental results achieved high true positive rate of ~ 99%, and low false positive rate of less than 0.025, which has not been achieved in literature so far. This is much higher than the required commercial acceptance level indicating that our novel technique is a major leap forward in detecting zero-day malware.

In this thesis, we have demonstrated the robustness of our proposed techniques and automated system by testing it on a large dataset of 66,703 executable files in total, consisting of 51,223

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recent Malware samples collected over the period 2008-2011, with the remaining executables forming benign samples. Together, these contributions enable an effective and efficient forensic identification and detection of hidden and obfuscated malware.

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Masters in Human Movement (Bio-Science)

RHDSC recommends that Mr Daryl Foy from SHS be recommended for the award of the degree of Masters.

The RHDSC and the Chair of Research Committee recommends that the Chair of Academic Board, having delegated authority from Academic Board, approve and recommend directly to Council that Mr Foy having completed all the requirements of the degree of Masters be granted the degree.

Degree: Masters
Student: Daryl Foy
Title: A Randomized Controlled Trial of a High Intensity Interval Training Intervention using a Body Sensor Network and Facebook
Principal Supervisor: Dr Brendan O'Brien

Approved – Chair Research Higher Degrees Sub-Committee

15/6/2012

Date

Approved – Chair Research Committee

16/6/12

Date

Approved – Chair Academic Board

22 June 2012

Date

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Abstract

Degree: Masters
Student: Daryl Foy
Title: A Randomized Controlled Trial of a High Intensity Interval Training Intervention using a Body Sensor Network and Facebook
Principal Supervisor: Dr Brendan O'Brien
Associate Supervisor: Dr Christopher Mesagno

Purpose

The purpose of this pilot study was to conduct an impact evaluation on adherence to a 5 week high intensity interval training (HIIT) intervention by the use of a body sensor network and social networking site (SNS) software.

Design

The study design used was experimental, comprised of two-groups with random allocation to each and pre- and post-tests of repeated sprint performance.

Setting

University of Ballarat, Australia.

Subjects

Participants (N = 16) included university student members of a State League 5 field hockey club. The study employed a convenience sample consisting of an intervention group (n=8) and a control group (n=8).

Intervention

Both groups were given a 5 week HIIT program specifically designed to improve performance in repeated sprint activity (RSA). This program comprised twice weekly training sessions over the 5 weeks with gradual increases in training load and concomitant reduction in rest and recovery. The intervention group used a garment with sensors to gather heart rate and accelerometer data (speed, distance and cadence) that published the physiological data via Bluetooth and GPRS to a purpose-specific software application called SPUTNIK which ran on the Facebook social networking site (SNS). This group could socialise their data amongst themselves and share detailed graphical analysis of their training programs. They were also able to set, change and share their goals and comment on each other's training, goals and progress. The intervention group could train together as they required. The control group used a heart rate monitor (HRM) to guide their training sessions and a paper-based diary to record their training performance data and

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any goal changes. They trained alone and did not communicate with any members of either group for the duration of the study.

Measures

Dependent variables included scores in a modified pre and post-test Yo Yo Intermittent Recovery Test Level Two and adherence measured as the number of completed sessions from the specified intervention program. Extraneous variable measures included the number of goal changes by each participant and the post-test score expressed as a percentage of their target goal score for the test, treated as goal attainment.

Analysis

A Mann-Whitney U test was carried out between the intervention and control groups on mean adherence (number of sessions) scores. Differences between groups were assessed at pre-test and post-test using univariate analyses of variance. Post-test correlation of bivariate data and regression were completed to identify relationships between the variables.

Results

Yo Yo pre and post-tests revealed a decline in performance means for the control group; $\mu_0=24.65$, $\mu_1=24.56$ and an improvement by the intervention group; $\mu_0=23.06$, $\mu_1=24.28$, variance of scores within the control group increased markedly in the control group; $\delta_0=1.596$, $\delta_1=2.191$ and declined in the intervention group; $\delta_0=1.578$, $\delta_1=1.488$. The tests showed that there was a highly statistically significant difference between the groups, $U=9.00$, $p<0.05$ (two-tailed) such that the level of adherence shown by the intervention group (mean rank=11.38) exceeded the control group (mean rank=5.63). There was also a strong, positive correlation of ($p=0.037$) between the adherence rates measured as the Number of Sessions completed and the Yo Yo post-test score expressed as a percentage of the Target Goal Score; the intervention group were better able to attain their target goal scores as their adherence was superior.

Conclusion

Despite the limitation of such as small sample size, the study showed that socialising physiological performance data collected by a BSN and managed and analysed by a SNS leads to increased adherence to a 5 week HIIT intervention program with non-elite field hockey players.

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Doctor of Philosophy

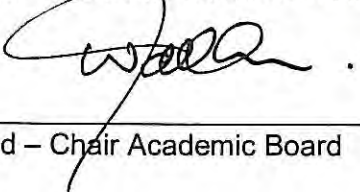
RHDSC recommends that Mr Amir Ghandi from SHS be recommended for the award of the degree of Doctor of Philosophy.

The RHDSC and the Chair of Research Committee recommends that the Chair of Academic Board, having delegated authority from Academic Board, approve and recommend directly to Council that Mr Amir Ghandi having completed all the requirements of the degree of Doctor of Philosophy be granted the degree.

Degree: Doctor of Philosophy
Student: Amir Ghandi
Title: Studies towards improved spray drying of *Lactococcus lactis*
Principal Supervisor: Dr Benu Adhikari


Approved – Chair Research Higher Degrees Sub-Committee Date 20/06/2012.


Approved – Chair Research Committee Date 25/06/12


Approved – Chair Academic Board Date 27 June 2012

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Abstract

Degree: Doctor of Philosophy
Student: Amir Ghandi
Title: Studies towards improved spray drying of *Lactococcus lactis*
Principal Supervisor: Dr Benu Adhikari
Associate Supervisor: Dr Ian Powell

Lactic acid bacterial starter cultures used for direct vat inoculation in the making of dairy products such as cheese, yogurt and sour cream are commonly supplied in frozen or dried forms. Although frozen starter concentrates are cheaper to produce and show excellent initial survival, they have drawbacks of bulkiness (larger volume than dried cultures), high transportation and storage costs (typically stored and transported at temperatures below -40°C), difficult post-production formulation of mixed cultures with the desired component ratios and short shelf life. Freeze drying is commercially preferred over spray drying, as bacterial survival is generally much higher. However, freeze drying is an expensive batch process with long drying times and high energy requirements. Spray drying is relatively cost effective, energy efficient and high throughput, but spray drying is damaging to bacteria. This study investigated possible improvements to the process by modifying the drying conditions or adding protective substances to enhance bacterial survival and culture activity in spray dried culture powders. Since it is not technically possible to quantify the changes occurring in droplet temperature and moisture content or bacterial survival *in situ* during spray drying, single droplet drying (in which a single droplet was suspended in moving conditioned air) was initially used as a model system to examine the drying process.

Lactococcus lactis ssp. *cremoris* was used as a model lactic acid bacterial culture. Milk components (lactose, sodium caseinate and whey protein isolate) were used individually and in combination as protectant solids. Tests were carried out to quantify the effect of temperature, protectant solids (type/level) and oxygen in convective drying. The effect of the characteristic shear rates prevailing in laboratory and pilot scale two-fluid (nozzle) atomizers and in a pilot scale rotary atomizer was also quantified. The spray dried bacterial powders were stored up to 90 days and the survival and acid-production activity after storage were measured.

Single droplets of bacterial cells in the presence and absence of protectant solids were dried at air temperatures of $45\text{--}95^{\circ}\text{C}$ and relative humidity values of 2.6 to 12%. The drying kinetics (moisture content-time profile, droplet temperature-time profile) and survival kinetics were measured. Death caused by oxygen injury was quantified by drying bacteria in the presence and absence of antioxidant (ascorbic acid or sodium ascorbate) or in the presence of nitrogen. Bacterial powders were produced in the presence of protectant solids in varying composition and concentration. The inlet and outlet air temperatures were varied from $130\text{--}200^{\circ}\text{C}$ and $38\text{--}65^{\circ}\text{C}$, respectively. The bacterial powders obtained in this way were stored up to 90 days at three different storage temperatures (25°C , 4°C and -18°C). The survival of the bacterial cells and their fermentation activity were determined at 15 and 30 day time intervals, respectively.

Sorption isotherm, glass transition temperature (T_g), crystalline and amorphous nature of the powders and spectroscopy of the amide-II bond (as an indicator of effects of drying on conformational integrity of proteins) were determined in order to understand the factors which cause bacterial death and mechanisms by which such death can be minimised.

Death of *L. lactis* followed apparent first-order kinetics. Dehydration *per se* was shown not to be a major cause of bacterial death. At low droplet drying temperature (45°C) the rate of change of droplet temperature and drying time (exposure time) correlated with bacterial death. At and above the drying temperature of 65°C , it was found that bacterial death occurred due to both dehydration and thermal stresses. Results suggested that the rate of moisture evaporation is a major factor in the death of the bacteria, with temperature a secondary factor. As the moisture evaporation flux is higher in droplets dried at elevated temperature (such as 95°C), overall survival conflates these effects.

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Lactose and sodium caseinate/whey protein isolate were found to provide a similar extent of protection against bacterial death. However, when these protectants were added in combination (3:1) they were found to synergistically enhance bacterial survival. Modelling of the T_g of the droplets revealed that the matrix of the particles spray dried containing 25% (w/w) and 35% (w/w) protectant solids (sugar:protein, 3:1) in the feed became glassy much earlier under prevailing drying conditions compared to droplets containing 10% (w/w) protectant concentration. This indicated that protectant solids and their composition (*i.e.* type and concentration) could allow early formation of a glassy matrix that helped to provide better survival. The survival of the bacteria was observed to be significantly higher in droplets that contained oxygen scavengers (ascorbic acid or sodium ascorbate) at all the temperatures tested. This indicated that a significant extent of bacterial death occurs due to oxygen injury in convective drying processes. A shift in the wave number of the amide-II bond in infra-red spectroscopy from 1528 cm^{-1} to 1519 cm^{-1} was found to occur when protectant solids were not used (conditions resulting in 84% bacterial death), indicating that perturbation of protein structure is also a likely contributor to bacterial damage and death.

Inlet and outlet air temperatures of 130°C and 65°C were found to be a suitable combination that provided good bacterial survival while keeping the residual moisture content within the acceptable range ($<0.5\%$). Similar trends in bacterial survival/death were observed in single droplet drying experiments and in spray drying experiments. Increase in protectant solids concentration was found to greatly improve the bacterial survival in spray dried powders. The combination of lactose and sodium caseinate/whey protein isolate was found to synergistically enhance the survival of bacterial in spray dried powders.

It was found that bacteria survived better when antioxidant was added in the spray dryer feed. Atomizing the droplet with gaseous nitrogen (creating an oxygen deficient environment during atomization) also improved bacterial survival by a similar extent as achieved by adding antioxidant in the dryer feed.

To date it has been reported that the bacterial death occurs mainly in the drying stage of spray drying (due to thermal and dehydration related stresses). The extent of bacterial death during atomization has historically been considered to be negligible and hence not investigated. This study quantified for the first time that up to 90% bacterial death occurs during the atomization stage of spray drying rather than in the drying stage. This extent of bacterial death in the atomization stage was likely due to very high characteristic shear rates of the order of $559 \times 10^3\text{ s}^{-1}$ (two fluid atomizer, laboratory scale), $145 \times 10^6\text{ s}^{-1}$ (two-fluid atomizer, pilot scale) and $182 \times 10^3\text{ s}^{-1}$ (rotary atomizer, pilot scale). Much higher bacterial death occurred during atomization in a pilot scale two-fluid nozzle than in the laboratory scale two-fluid nozzle due to significantly higher shear rates in the former. The bacterial death in a rotary atomizer was found to be much lower than in a two-fluid nozzle of similar capacity, which was also found to be associated with the low shear rate in the former.

Similarly, this study proved for the first time that it is important to create an oxygen-deficient environment (in this study by adding a small quantity of oxygen scavengers and by atomizing the feed in N_2 gas) in order to improve bacterial survival. Both the survival and fermentation activity of bacterial powders containing oxygen scavengers and produced through a rotary atomizer (lowest shear rate) were much higher compared to powders obtained at high shear rates (two-fluid nozzle, pilot scale) and having no oxygen scavenger in the feed.

Higher survival of bacteria and better bioactivity (fermentation activity) were achieved when the bacterial powders were stored at low temperatures (4°C and -18°C) compared to when they were stored at 25°C . The survival and the fermentation activity of the bacterial powders stored at 4°C and -18°C were not statistically different ($p > 0.05$). The presence of oxygen scavenger (ascorbic acid) in the powder composition brought about significant ($p < 0.05$) improvement in maintenance of both survival and fermentation activity during storage of bacterial powders, in addition to the benefits conferred during the drying process.

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Academic Board approved delegation of its responsibilities and powers in relation to research higher degrees candidature matters, to the Chair of Academic Board. The Chair's decisions are based on advice from the Research Higher Degrees Sub-Committee and the Chair of Research Committee.

RHDSC recommends that Ms Deidre Giblin from TBS be recommended for the award of the degree of Doctor of Philosophy.

The RHDSC and the Chair of Research Committee recommends that the Chair of Academic Board, having delegated authority from Academic Board, approve and recommend directly to Council that Ms Giblin having completed all the requirements of the degree of Doctor of Philosophy be granted the degree.

Degree: Doctor of Philosophy
Student: Deidre Giblin
Title: The effects of the dislocation of a dominant play on competition within a fine art cluster
Principal Supervisor: Professor Julian Lowe

Approved – Chair Research Higher Degrees Sub-Committee

26/6/12
Date

Approved – Chair Research Committee

Acting - Prof Fadi Charchar

4/7/12
Date

Approved – Chair Academic Board

17 July 2012
Date

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Degree:	Doctor of Philosophy
Student:	Deidre Giblin
Title:	The effects of the dislocation of a dominant play on competition within a fine art cluster
Principal Supervisor:	Professor Julian Lowe
Associate Supervisor:	Dr Patrice Braun

Abstract

This thesis examines the applicability of cluster theory in predicting what happens in a set of business relationships when a key player moves out but indicates it will be back. The research involves a longitudinal research design using a mixed method approach to explore the dynamic inter-relationships of the fine art sector in this period of change. The research site is the Melbourne fine art cluster but also includes a single case of one entrepreneurial firm observed over time. This multidisciplinary study contributes to the field of regional development, industrial organisation and innovation by enhancing the understanding of the growth dynamics of clusters and the ability to anticipate competitive behaviour during a period of major change. Hence, this exploratory investigation moves beyond commonalities between suppliers, resources and technologies to consider the cluster's distinctive character and support networks which act as a significant knowledge resource to the regional cluster.

In examining the dynamic of the cluster two economic models - the neo-classical model and alliance capitalism - were used. Various other models of cluster operation were also examined so as to identify underlying issues of networks, systems and a cluster's configuration in terms of power and authority. The importance of boundary spanning and hybridisation as part of the spread of influence of the cluster and their contribution to its success are identified. The longitudinal design of this study allowed the investigation of time-space relations and the recognition and examination of patterns within the fine art cluster while its emphasis on cluster activity, processes and retrospective approach provided an opportunity for comparability and hence theory building. A mixed methodology allowed data to be readily combined to create representative and comparable data for real-time analysis. The significance of validity, reliability and generalisability were recognised as important; consequently, the research design and method have been developed to maximise the legitimacy of results and the consistency of outcomes.

The study clearly demonstrates the significant control that the NGV exerts on the sector through its ability to control information and resources and how during dislocation this control was reduced and the cluster took on a different character. This was evident in that SMEs in the Victorian fine art cluster became more self-sufficient. This suggests that the dominant player crowds-out SMEs in the cluster. While regional development understanding suggests that clusters generate dynamic resources and activities that promote growth and innovation, then the structure of the cluster and particularly the behaviour that a dominant player induces, may be important in a consideration of the ideal nature of a cluster. The contribution of the longitudinal data shows that change in the absence of a key play can be positive but that policy needs to be revised if it is demonstrated that the cluster is vulnerable to the key player.

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Doctor of Business Administration

RHDSC recommends that Mr Shameen Ali from TBS be recommended for the award of the degree of Doctor of Business Administration.

The RHDSC and the Chair of Research Committee recommends that the Chair of Academic Board, having delegated authority from Academic Board, approve and recommend directly to Council that Mr Ali having completed all the requirements of the degree of Doctor of Business Administration be granted the degree.

Degree: Doctor of Business Administration
Student: Shameen Ali
Title: A study of visitor satisfaction in tourism enterprises
Principal Supervisor: Associate Professor Ian Clark

Approved – Chair Research Higher Degrees Sub-Committee

28/06/2012.
Date

Approved – Chair Research Committee

Acting - Professor Fadi charchar

4/7/12
Date

Approved – Chair Academic Board

Date

17 July 2012

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Abstract

Degree: Doctor of Business Administration
Student: Shameen Ali
Title: A study of visitor satisfaction in tourism enterprises
Principal Supervisor: Associate Professor Ian Clark
Associate Supervisor: Professor Mike Willis, Dr Mary Hollick

Satisfying customers is fundamental to the marketing concept and has long been recognised as important, firstly in the economic discipline and subsequently in marketing and in business generally. In a competitive marketplace customer satisfaction is closely linked to the ability of the organisation to deliver quality. Therefore, organisations rely on the feedback received from customers about how satisfied or dissatisfied they are with product and service provision and their perceptions of the value received.

The study examines the various product and service attributes that contribute to visitor satisfaction and experience, and evaluates the role of price-value perceptions and behavioural intentions. This examination was undertaken by the study of three tourism enterprises operating in the heritage tourism area. These included Sovereign Hill, which is an historic goldfields township; Brambuk, which is an indigenous cultural centre located in the Grampians in Western Victoria; and Werribee Mansion, which depicts the life of a wealthy farming family in the early periods in Victoria.

This study has provided insight into the understanding of visitor satisfaction in tourism enterprises by evaluating the relationship between overall satisfaction and dissatisfaction and how these influence revisit and recommending behaviour, as well as the influence of price-value perceptions on satisfaction, experience and enjoyment. The study shows that price-value dissatisfaction impacts negatively on the willingness of visitors to recommend tourism venue to others and that price dissatisfaction tends to impact negatively on satisfaction. The results provide some insight into what contributes to tourist satisfaction, enjoyment and experience.

The findings are expected to assist strategic and operational managers in their quest for continued quality enhancement and the provision and renewal of tourism products and services. It is expected that the findings will provide some guidance to managers, tourism operators, marketers and researchers alike in developing well informed data and analysis that are the key to strategic and competitive advantage.



Summary Sheet

Summary of matters considered at:	School of Business Research Committee Meeting 03/12 held on 13 th June 2012
For the attention of:	Research Committee
Executive Officer:	Valma Frost

★ Requires Attention/Consideration of RC

1. The following item requires the attention and consideration of RC:

4.1 Open Access

The Chair provided an update on the open access issue. A sub-committee of the University Research Committee was set up to review the current policies on open access and develop a recommendation. Open access will increase regional engagement by making research more accessible to the region. It will also help to increase the amount of citations. A document was circulated to the Committee during the meeting which stated the recommendations proposed by A/Prof Jerry Courvisanos. The same document will also be circulated at the other School Research Committee meetings for feedback and whether they are in agreement with the recommendations.

The Committee felt that open access may have a negative impact on research especially for young academics. The Committee also felt that funding of open access may incur a significant cost to the School. There were also issues around publishing a thesis in regards to holding off until papers were published from the thesis and ethical concerns.

Overall the Committee supports the five recommendations put forward for the University Research Committee on the basis that a support system for staff is put in place by Research Services so they can publish effectively and to seek support through RUN University's on whether they would also support this open access approach.

Moved: S. Mackenzie

Seconded: J. Tuck

Approved: Recommendation to be forwarded to The Research Committee

6.1.1 Research Matters

1.) Research Schedule

The Chair circulated a document to all Committee members outlining items and tasks that need to be developed that was raised at the University Research Committee. The Chair stated that only two Schools have submitted their research plans, Business being one of them. The Chair asked the Committee to provide any feedback, comments or other items that should be added to the schedule. It was suggested that open access should be added to the schedule. A/Prof Jerry Courvisanos will raise this at the next University Research Committee meeting.

Action: Jerry

To be forwarded to University RC

2. The following items require noting of RHDSC:

Nil

Executive Officer

Sarah Murphy

DATE: 20th June 2012

Seconded: S. Mackenzie

★ **4. Matters Arising from the Minutes**

★ **4.1 Open Access**

The Chair provided an update on the open access issue. A sub-committee of the University Research Committee was set up to review the current policies on open access and develop a recommendation. Open access will increase regional engagement by making research more accessible to the region. It will also help to increase the amount of citations. A document was circulated to the Committee during the meeting which stated the recommendations proposed by A/Prof Jerry Courvisanos. The same document will also be circulated at the other School Research Committee meetings for feedback and whether they are in agreement with the recommendations.

The Committee felt that open access may have a negative impact on research especially for young academics. The Committee also felt that funding of open access may incur a significant cost to the School. There were also issues around publishing a thesis in regards to holding off until papers were published from the thesis and ethical concerns.

Overall the Committee supports the five recommendations put forward for the University Research Committee on the basis that a support system for staff is put in place by Research Services so they can publish effectively and to seek support through RUN University's on whether they would also support this open access approach.

Moved: S. Mackenzie

Seconded: J. Tuck

Approved: Recommendation to be forwarded to The Research Committee

★ **4.2 Request for Clarification Regarding Funding Rules and FBT Restrictions for Travel**

This item will be forwarded to the next Research Committee Meeting.

To be forwarded to next RC Meeting

★ **4.3 Future of CRIC**

The CRIC proposal has now been approved by Professor Andy Smith. The restructure proposal has been approved on a three year probation and CRIC will need to meet specific targets. CRIC will be on probation not the staff. If the targets are not met over the three year period CRIC staff will continue within the School. A document outlining the targets was circulated to the committee members. The three year period will commence once the new director has been appointed.

A/Prof Jerry Courvisanos met with the Solar Cities team to discuss the transition to the new structure. The Directors position and the level C position will be advertised externally. The HEW 4 and level A and B positions will be advertised internally in the near future.

Discussed

★ **4.4 Attendance Issue**

There has been some discussion around the issue of staff attendance raised at School Board. The discussion was around the responsibilities of academics attending certain activities. A procedure was distributed at the School Board in which every member was in favour of however, there was a request to have the introduction revised so that it aligns with the procedure.

Discussed

5. SoB Scholarships

5.1 Scholarships

5.1.1 HDR Scholarships

Nothing to Report

Noted

6. Reports

★ 6.1 Associate Dean's Report

★ 6.1.1 Research Matters

1.) Research Schedule

The Chair circulated a document to all Committee members outlining items and tasks that need to be developed that was raised at the University Research Committee. The Chair stated that only two Schools have submitted their research plans, Business being one of them. The Chair asked the Committee to provide any feedback, comments or other items that should be added to the schedule. It was suggested that open access should be added to the schedule. A/Prof Jerry Courvisanos will raise this at the next University Research Committee meeting.

**Action: Jerry
To be forwarded to University RC**

2.) UB Publication Award

The award has not been available for a couple of years due to budget constraints but is now available again for HDR students. The award is for \$3000 and students are eligible to apply after they have submitted their thesis for examination. The award is to assist the HDR student in submitting three papers. The Committee felt that HDR students should not be able to receive the Schools publication incentive in conjunction with the UB Publication Award. The Committee agreed the papers specified in the UB Publication Award would not qualify for the Schools Publication Award.

**Moved: S. Mackenzie
Seconded: B. West
Approved**

3.) Virtual Laboratory

The Chair circulated a document to the RC members outlining a proposal for BARDSNet to apply to NeCTAR for sponsorship of a Business Studies Virtual Laboratory. This will allow for Business Schools around Australia to share research workflows and data. SIRCA will be providing the software development for this program. The Business School currently has a one year licence to access the current SIRCA databases which was initiated by Dr Samantha Hettihewa. The Chair asked the Committee to think about whether the School wants to be involved. A/Prof Jerry Courvisanos will also discuss this with Dr Hettihewa for her input or interest.

**Action: Jerry
Discussed**

6.1.2 Research Newsletter

Staff will be reminded on a weekly basis for submissions of research items for the School newsletter.

Noted

6.1.3 HDR Theses Submitted and Currently Under Examination

HDR students ID: 30047593, ID: 30061999 and ID: 30064411 have now received their examination reports and are currently going through the School Examination Committee for final approval.

Noted

★ 6.2 HDR Students Report

- 1.) The HDR students have now taken over the old sessional room due to the postgraduate room currently being at full capacity.
- 2.) PhD student ID: 30049241 has currently moved to Brisbane but will still be enrolled full-time.

- 3.) We have one new student that commenced this week and two more that will be commencing in the next month or two.
- 4.) Notices have been sent around regarding this years UB Annual Research Conference. A rehearsal will be organised for HDR students presenting which will be held in October. All staff are welcome to attend and would be great to see as many staff as possible supporting the students.

Discussed

★ **6.3 Honours Coordinator Report**

Dr Caroline Winter was an apology for this meeting.

Noted

★ **6.4 Budget Report**

Ms Sarah Murphy circulated an overview of each research account (JRE & RTS) on what the School had spent and what was remaining. The RTS account showed we were in deficit however, that was due to the reports only be available to the beginning of June 2012. The account has had more funds added since then. The block grants are transferred to each account in monthly instalments.

Sarah will provided the annual budget for next meeting.

Discussed

6.5 Matters from HDR Student meeting

6.3.1 HDR Meeting 28th February 2012 (Agenda Paper B)

Nothing to report.

Noted

6.5 Applications for Confirmation of Candidature

Confirmations due in 2012.

Student ID	Fraction	Enrolment date	Due
Peta Jefferies	F/T	31 Jan 2011	Confirmed 30/3/12
Casey Iddon	F/T	4 April 2011	Confirmed 23/3/12
Kerrie Fisher (on leave)	P/T	31 August 2010	Postponed
Imogen Yates	F/T	29 September 2011	October 2012

Noted

7. Applications for Funding

7.1 Out of Session Applications

- 7.1.1** Conference Support (International) Mr Eric Holm: \$1812.12 requested to attend the International Conference on Cyber Security, Putra Jaya, Malaysia (26-28 June 2012). Associate Dean (Research) approved \$1812.12 on 4th April 2012.
- 7.1.2** Conference Support (Domestic) Dr Elisa Backer: \$2033.40 requested to attend the National Tourism and Events Excellence Conference, Melbourne (16-17 July 2012). Associate Dean (Research) approved \$2033.40 on 18th April 2012.
- 7.1.3** Conference Support (Domestic) Dr Karim Mardaneh: \$3000 requested to attend the 57th Annual International Council for Small Business (ICSB), Wellington, New Zealand (10-13 June 2012). Associate Dean (Research) approved \$3000 on 1st May 2012.

7.1.4 Conference Support (Domestic) Dr Tushar Das: \$1995 requested to attend the Australasian Law Teachers Association Conference, Sydney (1-4 July 2012). Associate Dean (Research) approved \$1995 on 28th May 2012.

7.1.5 Conference Support (Domestic) Dr Anita Doraisami: \$1059 requested to attend the 41st Australian Conference of Economists, Melbourne (8-12 July 2012). Associate Dean (Research) approved \$1059 on 28th May 2012.

Noted

★ 8. Other Business

★ 8.1 Library Skills Training

The issue of library skills training not being available to off campus students including Research and DBA students has been raised. The Committee felt that online training would be useful for DBA and HDR Students that are not able attend the training on campus. The Committee recommended that negotiations need to be sought with the library to make the training available on Moodle.

Moved: S.Mackenzie
Seconded: J. Tuck
Approved
Action: Sarah Murphy

★ 8.2 Appointment of Honours Coordinator (In Camera)

The Dean has asked for the Research Committee to appoint an Honours Coordinator to replace Dr Caroline Winter who has resigned from the position as she will be on OSP leave for second semester, 2012. Two staff members submitted expressions of interest for the Honours Coordinator position. The staff members names were discussed in camera and are to be kept confidential.

Following from discussion regarding the appointment of the Honours Coordinator the Committee felt that they did not have enough information to make an appointment. The Committee agreed that the two staff members that expressed an interest in the position need to attend the next Committee meeting and present a 10 minute presentation addressing the following questions:

- Goals – What they hope to achieve and how they will achieve it
- Strategy – For promoting the Honours program
- Experience – previous experience similar or relevant to the Honours Coordinators role

There will be five minutes after each presentation for the Committee to ask questions. A/Prof Jerry Courvisanos will discuss with the two staff members the process and requirements for the presentation.

The ADR will act as interim Honours Coordinator until an appointment has been made.

Approved
Action: Jerry Courvisanos

★ 8.3 Appointment of Deputy Chair and Ethics Coordinator

Due to Dr Caroline Winter's resignation the position of Deputy Chair and Ethics Coordinator also needs to be appointed. This position can be divided into two separate jobs. Dr Jackie Tuck agreed to take over the Ethics Coordinator role in which the Committee supported.

Mr Eric Holm agreed to become the Deputy Chair however, he is on OSP leave until the 26th of July 2012. The Dean will sign off on any ADR matters in the absence of the ADR during this interim period.

Discussed
Approved

★ 8.4 UB Publication Awards (Agenda Paper C)

Discussed under Item 6.1.1.

Discussed

★ **8.5 SOSS Award for PhD Applicant**

Ms Parisa Salimzadeh has recently enrolled in a PhD within the School and will be applying for a University scholarship at the end of this year, however if successful in gaining a scholarship the School will have to agree to pay the course fees.

The Committee agreed to the School covering the cost of the course fees if Ms Salimzadeh is successful in gaining a scholarship.

The Committee also agreed that any international student that was successful in gaining a scholarship, the School would cover the course fees.

Discussed

Date of Next Meeting 22 August 2012 – Meeting Number 04/12

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School of Education and Arts
Research Committee

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Meeting No: 2/2012

In Attendance: Professor Barry Golding (Chair)
Dr Jane Mummery
Dr Fred Cahir
Dr Angela Campbell
Ms Jill Orr
Dr Genee Marks
Associate Professor Meg Tasker
Dr Carole Wilson Mr
Jason Flelo Professor
Erica Smith Dr John
Fisher

Date and Time: Friday 18th May 2012 at 9.30am

Venue: H203, H Building, Mt Helen

From: Ms Katie Donnelly

Tel: 5327 9356 **Email:** y.rowe@ballarat.edu.au

1. Welcome

The Chair welcomed members to the May meeting.

2. Apologies

Professor John McDonald
Mr Tim Harrison
Professor John Smyth
Dr Jacqueline Wilson
Ms Yve Rowe

3. Matters arising:

3.1 Minutes of previous meeting

The Committee considered the Minutes of the previous meeting. Approval carried over to the next meeting.

3.2 Research Budget

Professor Barry Golding distributed a summary of the Research Budget. He explained that it had been amended to incorporate relevance to the Creative Arts. The Committee discussed budget allocations and the need for funding to be awarded on the basis of research outcomes, rather than distributed as an entitlement.

Mr Jason Flelo entered at 9.45am.

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The Chair distributed draft forms to be used when applying for Conference support, Small grants and HDR student expenses. The Committee discussed the authority of these forms and agreed that they should be used instead of University forms for all domestic activity.

The Chair led a discussion on the Joint Research Engagement Guidelines. Feedback from the Committee was as follows:

- Professor Erica Smith suggested that the review panel should be made up of members of the Research Committee, not the Senior Leadership Team. The Committee agreed.
- The Guidelines do not currently identify the frequency or timing of funding rounds. The Committee agreed this should be amended. A discussion ensued. It was agreed that the best approach would be to call for applications in February each year (mid August for 2012). It was also agreed that the ideal timeframe for project completion would be 18 months. Yve Rowe will liaise with Fiona Hodder to confirm if it is possible to carry funds over across two calendar years.
- The Committee discussed JRE funding and expenditure. In particular, the difficulties associated with measuring publication outputs against a world standard. A number of potential ranking options were discussed. It was decided that the measures be amended to include all ERA compliant outputs (including the Creative Arts), and be based on objective merit measures.

Further to this, the Committee discussed how publications funding is awarded and whether Research Associates and collaborators should be eligible. Professor Barry Golding reminded the Committee that there is only \$15 000 available in total for publications and performance.

The Committee also discussed how the JRE funding is allocated to each School. They indicated they would like clarification of this process.

3.3 UB Research Committee Update

Professor Barry Golding distributed a summary sheet and delivered a verbal report on the UB Research Committee.

- ERA results are due late 2012 or early 2013
- Research Services want more of an emphasis on selecting staff with research potential and are also encouraging academics to maintain a formal relationship with UB when they leave.

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- Professor Peter Gell is chairing an International Collaboration Working Party to look at identifying and strengthening international links.
- UB HDR enrolments are running low this year – there are still 19 places available.
- Research income and publications are falling across the institution.
- Members were reminded that all future research contracts and budgets must be approved at all stages from proposal to acquittal by Research Services.
- There is concern amongst RUN Universities that the ERA may be used to allocate Federal funding for research.
- Dr Jonathan Wearne reported on the CRN.

4. Standing Items

4.1 HDR Student Report

The Committee noted Attachment B.

Dr John Fisher provided a report on the HDR student session.

- There were 3 sets of presentations, including from Professor John McDonald and Dr John Fisher.
- 2 of the scheduled presenters were unable to attend.
- The future agenda has been left open to allow for maximum student input. Students will be asked to set the programme to address areas of interest and concern.

Many members complained about the lack of communication with academic staff before the event. Many supervisors were unaware of the event and were unable to attend or advise their students. The Committee agreed that this was unacceptable. Members also indicated they would appreciate being included in the planning of the seminars, to ensure that the programme caters to all those involved. The Committee agreed that all supervisors within the School should be given notice of the next event.

Professor Barry Golding acknowledged this and congratulated the students for the effort they have gone to in organising this. He added that it is important that they feel empowered.

The Chair asked the Committee to note the tabled budget request approvals and applications since last meeting.

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4.2 CERG Report

The Committee noted Attachment C.

Dr Jane Mummery provided a verbal report.

- The first meeting of the CERG research Support Group was convened last month.
- The group aims to provide support for academics in the Humanities and Social Sciences, including early career researchers and HDR students.
- A CERG Moodle site has been launched and includes a consultation group and a repository for conference calls etc.
- The next meeting is scheduled for Monday 21st May.

4.3 RAVE Report

The report from Thursday 12th May was included in the notes tabled by Professor Barry Golding.

4.4 Better Pedagogies Group Report

The Committee noted Attachment D.

4.5 Arts Academy

Nothing to report.

5. Other Business

5.1 Engaging Research Associates

Dr John Fisher provided a verbal report.

- The School is waiting on an updated list of Research Associates.
- A meeting will be scheduled in either June or July.
- Dr Jane Mummery noted a particular Associate who has not had any contact from the School since her appointment. The Chair acknowledged this and

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will contact all Research Associates to welcome them to the School and inform them of their entitlements.

- Associates have been requesting conference funding. Professor Barry Golding advised that due to financial constraints, such funding is not possible at this stage.

5.2 HDR Development Program

Discussed under Item 4.1

5.3 DASSH (Deans of Arts, Social Sciences & Humanities)

Professor Barry Golding advised that he will be unable to attend the September 2012 meeting as he will be overseas. Dr Carole Wilson will attend in his absence.

5.4 Education Maintaining Research Momentum initiatives – did the discipline meet its 2011 target?

Professor Erica Smith indicated that she did not have the data required to measure publications progress. Katie Donnelly will collate and provide data.

5.5 Women's Research Network

Professor Erica Smith provided a verbal report.

- The WRN is progressing and seems to be popular.
- A Moodle site has been established.
- The next meeting is on 6th June from 12.00pm – 1.30pm. The topic is Women, Academics and Promotion.

5.6 PhD Masterclass

Professor Erica Smith provided a verbal report.

- Campus Review will be running a feature on the Masterclass later in the year.

6. Other Business

National Education Working Party

Professor Erica Smith reported that she sits on a national working party aiming to help build the strategic capacity of the education research workforce. Part of this process will be a survey to be distributed to all Education academics. Professor Barry Golding will organise distribution of this in the near future.

Professor Erica Smith informed the Committee that all universities were asked to provide ERA data for Education outputs to be collated to build a picture of the discipline across the

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country. UB was the only University to refuse. She expressed disappointment that we were unable to participate.

The Committee agreed that the Chair will write a letter of concern to the DVCR noting that UB was the only institution not involved.

Professor Erica Smith also reported that the RUN Universities are ranked rather low in terms of outputs. She suggested that we consider working more closely with other RUN Universities. The Committee agreed this should be discussed at the next meeting.

Australian History Network

Dr Meg Tasker informed the Committee that the Australian History Network has been formed under the auspices of the School.

- headed by Professor John McDonald.
- In partnership with the Ballarat Mechanics Institute.
- includes people from local government, the Mechanics Institute etc.
- has produced an application for infrastructure funding.
- has presented a proposal for 10 postgraduate places.
- with potential Fellowships through the State Library.
- the AHN will report back to this Committee.

The meeting closed at 11.37am.

Next Meeting is 29th June 2012, 9.30am. Arts Academy, C205

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Research Committee

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Meeting No: 3/8

To: Professor Peter Gell – Chair / ADR
Professor David Gao
Assoc Prof Andrew Stranieri
Dr Simon Cook
Ms Helena Jetmarova

Assoc Prof Singarayer Florentine
Assoc Prof Adil Baghirov
Dr Peter Vamplew
Dr Richard Dazeley

Date and Time: Friday 11th May 2012 at 1.00pm

Venue: T121

Exec. Officer: Ms Katie Donnelly

Tel: 03 5327 9526

Email: k.donnelly@ballarat.edu.au

★ 1. **Apologies & Welcome**

1.1 **Apologies**

Chair

Apologies have been received from Professor John Yearwood, Assoc Professor Ibrahim Sultan, Professor Fadi Charchar, Mr Stafford McKnight, Dr Grant Palmer and Dr Sita Venkatraman.

1.2 **Welcome**

Chair

The Chair welcomed the Committee to the third meeting for 2012.

★ 2. **Starring of Items and Approval of Non-Starred Items**

2.1 **Starred Items**

Chair

Consider which items should be “starred” and therefore open for discussion.

The Chair asked the Committee to consider if any additional Agenda Items should be starred for discussion. No additional items were starred.

2.2 **Non-Starred Items
Recommendation**

Chair

That all items on the Agenda “not starred” be adopted without discussion and the action recommended to be taken or the information therein noted.

The Committee noted all non-starred Agenda Items.

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★ 3. Minutes Chair

3.1 Minutes
For confirmation

The Committee is invited to confirm the attached minutes from meeting 2/8 held 30 March 2012.

Recommendation

That the Committee confirm the minutes from meeting 2/8 held 30 March 2012.

The Committee approved confirmed and approved the Minutes of the March meeting.

Moved: Assoc Prof Singarayer Florentine

Seconded: Assoc Prof Adil Baghirov

All agreed.

3.2 Action Items

The Chair reported on the status of the Action Items arising from the March Meeting, noting that they would be addressed in more detail under their relevant agenda items.

- The HDR Gathering was a success. Report to follow under Item 6.
- Katie Donnelly reported that Rebekah Bailey and Kerrie Dunn are currently working on finding a solution to the access problems facing HDR students.
- Peter Gell has started working on the School Research Plan and will meet with the working group on Wednesday 23rd May. The draft Plan will be circulated before the next meeting.
- The CIAO Report will be delivered under Item 14.
- The Chair has spoken to Research Services regarding internal grant deadlines. They have indicated that there is some flexibility if people flag their intention to submit early. Researchers must contact Research Services to discuss their individual circumstance.

4. **Honorary Research Fellow**

The Committee discussed the recommendation put forward by Assoc Professor Paul Watters to make Dr Stephen McCombie an Honorary Research Fellow of the University. Dr Peter Vamplew provided some background to the applicant, advising that he has left Macquarie University and is now part of a pending ARC Application with UB researchers.

The Committee agreed that the Chair will move this application at the end of the month if required.

Proposed: Dr Simon Cook

Seconded: Assoc Prof Singarayer Florentine

All agreed.

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★ 5. Research Workloads

Chair

The Chair advised the Committee that he has written to the Dean requesting that he implement the Research Workloads model. He also advised the he has had informal conversation with Professor Andy Smith and a Union Representative about the Workloads Model and was advised that it is appropriate to implement the Model as long as the workforce has been consulted.

The Chair advised that workloads for Semester 2 have been finalised. Workloads for 2013 will be discussed in the near future. Professor Peter Gell will collect HERDC data from Deborah Debuhr for 2010-2011 to provide workload feedback.

Assoc Professor Andrew Stranieri entered at 1.22pm.

6. CRN

Chair

The Chair discussed the current competitive funding round and reminded people that it will close on the 17th May. The fund will award grants of up to \$5000, or up to \$10 000 if matched by another funding body. There is \$70 000 in total to be shared across the 3 elements.

The Committee discussed the fact that the call for applications had not been distributed widely to those in IT or Mathematics. Many researchers were not aware of the grants. Professor Gell advised that he had circulated the call for applications to all staff working in disciplines relevant to Element 3.

The Committee agreed that an opportunity had been lost and that communication lines must be improved. It was agreed that Professor David Gao should send this and all future calls for applications to all relevant staff within the School. It was also agreed that Professor Peter Gell should ask Jonathan Wearne to post future grant information on UB Communicate.

7. HDR Matters

Helena Jetmarova

Helena Jetmarova reported that 40 people attended the HDR Student Get Together. She declared the event a success and distributed the agenda and photographs from the day. She also distributed the feedback forms, which provided overwhelmingly positive feedback, despite the fact that the guest speaker did not arrive.

Professor Peter Gell noted the Committee's appreciation of the organising committee, particularly Helena Jetmarova.

The next event is planned for November.

Helena Jetmarova suggested that the Committee consider running a workshop for students on Australian business culture. The Committee agreed that Helena Jetmarova should host a forum with HDR students to gauge if there is interest in such a workshop. She will report back to the next Committee meeting.

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Professor David Gao left at 1.56pm.

The Chair provided a verbal report on HDR Matters on behalf of Dr Sita Venkatraman. Since the last meeting there have been:

- 4 PhD Graduations
- Completion of 3 Thesis examinations
- Around 4 Confirmation of Candidatures confirmed

Professor Peter Gell reported that there are still 19 HECS funded (not scholarship) PhD places across the University that remain unfilled. Dr Peter Vamplew added there is also a NICTA Scholarship that remains unfilled.

Professor Peter Gell informed the Committee that the call for HDR budgets has gone out. This exercise will require students to consider and plan for the money they will need to support their research over the remainder of their candidature. There is hope that the pool of money available to HDR students will be greater in 2013.

★ 8. School Research Plan Chair

The Chair informed the Committee that there has been debate between ADRs, Deans and the DVCR about whether to submit realistic or aspirational targets. He advised that there is now \$100 000 of internal money to support research, as well as a pool of \$46 000 to support research collaboration. The Chair added that there will be a call in the near future to apply for grants from the Collaboration Fund. These will be aimed at fostering national and international research collaboration.

Professor Peter Gell reported that there have been some expressions of interest for JRE funding for conference attendance; however there is still funding available. Applicants must be able to show that they have submitted a paper for any previously funded attendance. He added that grants awarded from this fund will be tabled at Research Committee.

The Committee discussed the procedure for research expenditure, reaffirming that all research finances now go through Kerrie Dunn and Research Services.

★ 9. Grants

The Chair reported on recent grant successes:

- Assoc Professor Singarayer Florentine and Emeritus Professor Martin Westbrooke have been awarded \$350 000 from the Clean Energy Future Biodiversity Fund for activity on Nanya over six years.

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- Assoc Professor Singarayer Florentine and Professor Martin Westbrooke have also been awarded \$19 000 from the South Australian Native Vegetation Council for work on Hindmarsh Island.
- Assoc Professor Andrew Stranieri has been awarded \$23 000 from the Council of Arab Australian Relations.

★ 10. Publications Collection

Chair

The Chair advised that we will soon be reporting publications to Research Committee on a monthly basis. He reminded researchers to forward their publications to Kerrie Dunn in hard or electronic copy.

Assoc Professor Andrew Stranieri raised the importance of author pays journals, which he argued are becoming more common in certain disciplines. He said that articles are still peer reviewed; however the author pays a fee for publication in return for institutional access. Professor Peter Gell suggested that this matter be raised with the Library who is in charge of institutional acquisitions and subscriptions.

11. Commercialisation

The Chair delivered a verbal report on behalf of Dr Grant Palmer. The report included the following:

- Upcoming meeting with Parks Victoria to discuss the Research Partner Programme.
- CEM are hosting a workshop to look at future integration of consultancy activity with research.

★ 12. Conference Reports

open for discussion

The Chair asked the Committee to note that we will be asking researchers to report to either Kerrie Dunn or Katie Donnelly detailing their conference attendance. This information will be tabled at Research Committee.

★ 13. CEM Report

S Cook

Dr Simon Cook delivered the CEM Report.

- The Toorale Vegetation Assessment is coming to an end and the final report is due soon.
- We have started a new phase of Box Ironbark assessment with Parks Victoria.
- Dr Grant Palmer is now writing up the Fire Ecology Workshop following the Grampians fires.
- Working on significant roadside vegetation for Vicroads.
- Grampians Wimmera Mallee Water Mackenzie Creek Project is proceeding.

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Dr Peter Vamplew left at 3.00pm

★ **14. CIAO Report**

A Stranieri

Assoc Professor Andrew Stranieri delivered the CIAO Report. He noted that a roadmap has been drafted for the next 2 or 3 years and that this includes a strategy to increase Category 2 and 3 applications, particularly in IT.

★ **15. Colloquia & Seminars**

Chair

The Chair provided a verbal report in Dr Venkatraman's absence.

He also noted that Matt Jones from Nottingham University presented a seminar in the Environmental Seminar Programme and that Professor Phil Macumber from the University of Melbourne was part of the audience.

★ **16. General Business**

The Chair advised that the ERA has been signed off and submitted.

The meeting closed at 3.20pm.

Next Meeting Friday 15th June 2012

Minutes Research Committee

School of Science, Information Technology and
Engineering

University of Ballarat
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Meeting No: 4/8

To: Professor Peter Gell – Chair / ADR
Assoc Prof Singarayer Florentine
Dr Peter Vamplew
Dr Richard Dazeley
Dr Grant Palmer

Professor John Yearwood
Assoc Prof Adil Baghirov
Dr Simon Cook
Dr Sita Venkatraman

Date and Time: Friday 15th June 2012 at 1.00pm

Venue: T121

Exec. Officer: Ms Katie Donnelly

Tel: 03 5327 9526

Email: k.donnelly@ballarat.edu.au

★ 1. **Apologies & Welcome**

1.1 **Apologies**

Chair

Apologies have been received from Professor Fadi Charchar, Professor David Gao, Assoc Professor Ibrahim Sultan, Assoc Professor Andrew Stranieri, Mr Stafford McKnight and Ms Helena Jetmarova.

1.2 **Welcome**

Chair

The Chair welcomed the Committee to the fourth meeting for 2012.

★ 2. **Starring of Items and Approval of Non-Starred Items**

2.1 **Starred Items**

Chair

Consider which items should be “starred” and therefore open for discussion.

The Chair asked the Committee to consider if any additional Agenda Items should be starred for discussion. No additional items were starred.

2.2 **Non-Starred Items
Recommendation**

Chair

That all items on the Agenda “not starred” be adopted without discussion and the action recommended to be taken or the information therein noted.

The Committee noted all non-starred Agenda Items.

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Research Committee

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★ 3. Minutes Chair
3.1 Minutes
For confirmation

The Committee is invited to confirm the attached minutes from meeting 3/8 held 11th May 2012.

Recommendation

That the Committee confirm the minutes from meeting 3/8 held 11th May 2012.

The Committee approved confirmed and approved the Minutes of the May meeting.

Moved: Dr Richard Dazeley

Seconded: Assoc Professor Singarayer Florentine

All agreed.

3.2 Action Items

The Chair reported on the status of the Action Items arising from the May meeting, noting that they would be addressed in more detail under their relevant agenda items.

- Dr Stephen McCombie's application to become an Honorary Research Fellow is still pending awaiting the outcome of the current ARC round.
- The Chair has met with Dr Jonathan Wearne from the CRN and they have agreed that all future CRN grant rounds will be distributed widely to research staff.
- The HDR forum will be discussed under Item 6.
- Kerrie Dunn and Katie Donnelly are unable to table a report on conference attendance at this meeting. A report will be table at the August meeting.

★ 4. Honorary Research Fellow

The Committee discussed the three recommendations put forward for Honorary Research Fellow appointments. The Committee agreed that all three candidates were worthy recipients.

The Committee agreed that Dr Andrew Shugg be appointed as an Honorary Research Fellow.

Proposed: Assoc Prof Singarayer Florentine

Seconded: Dr Simon Cook

All agreed.

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The Committee agreed that Dr Ian Penna be appointed as an Honorary Research Fellow.

Proposed: Assoc Prof Singarayer Florentine
Seconded: Assoc Prof Adil Baghirov
All agreed.

The Committee agreed that Dr Ian Sluiter be appointed as an Honorary Research Fellow.

Proposed: Dr Simon Cook
Seconded: Assoc Prof Singarayer Florentine
All agreed.

5. Research Workloads

Chair

The Committee noted this item.

★ 6. HDR Matters

Dr Sita Venkatraman

Dr Sita Venkatraman updated the Committee on HDR Matters for the period since the last meeting:

- 2 PhD students have completed.
- 1 NICTA Scholarship student has commenced.
- 1 part time student from CHW has commenced and will be working on groundwater seepage into pipes.
- There are a number of Confirmations of Candidature to take place this month.
- The School has received a number of applications from Iran and elsewhere and is in the process of looking for supervisors.

Professor John Yearwood raised the issue of Honours Equivalence for prospective students. He reminded the Committee that supervisors need to take responsibility for applying for this and that it is not fair to leave students to approach this task themselves.

The Committee noted the reported tabled by Helena Jetmarova and suggested that someone from IBM or Grampians, Wimmera, Mallee Water could be invited to speak.

The Committee were impressed with the initiative shown and give their full support to this workshop.

Proposed: Dr Simon Cook
Seconded: Dr Sita Venkatraman
All agreed.

Minutes

Research Committee

School of Science, Information Technology & Engineering

University of Ballarat
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★ 7. School Research Plan

Chair

The Chair distributed a plan prepared for the DVCR reporting on the School's Research Block Grant expenditure, as well as targets for grant income and ERA outcomes. He explained the content of the report. The Committee discussed the meaning of 'regionally relevant' and some members expressed concern over the potential for 'regionalisation' to limit research capacity. They agreed there is a need to be relevant both regionally and internationally.

The Chair distributed the Draft School Research Plan and led a discussion on its content. The Committee made the following suggestions:

Goal 1

1.1

- Professor John Yearwood suggested that targets should be measurable, for example, publications collaboration increased by 10%.

1.5

- The Committee discussed what they hope to be able to measure in reference to publications and suggested a number of different methods for doing this.
- It was agreed that the aim is to increase (and measure) both the quality and quantity of outputs by individuals and the School as a whole.
- The Committee agreed that one potential option would be to state that all staff will have at least 2 HERDC compliant publications per year. These will ideally focus on the FoR codes that have been identified as priorities within the School. The School Research Plan Sub-Committee will discuss this further.
- The Chair suggested that non researchers within the School could be encouraged to publish by establishing a collaborative mentoring scheme with established researchers. This could be organised within disciplines.
- The Committee discussed the need to increase the level of recognition and reward that flows from grant success and researcher collaboration.

The Committee agreed to discuss this further at the next meeting.

The Chair advised that he will be hosting another Research Forum for staff to discuss the Plan, along with other research activity. This will most likely be held in September.

★ 8. Grants

Chair

The Chair asked if there were any grants for reporting.

- Grant Meredith was awarded a grant from the Telematics Trust for \$20, 086.00 to work on a project entitled 'Stimulating simulation: bridging barriers and empowering lives'.

Minutes

Research Committee

School of Science, Information Technology & Engineering

University of Ballarat
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★ 9. Publications Collection

Katie Donnelly informed the Committee that the 2012 HERDC collection was in the process of being finalised. She also advised that a new process for publications collection will be introduced in the coming months.

10. Commercialisation

Chair

There was nothing to report.

★ 11. Conference Reports

open for discussion

Professor Peter Gell reported that he attended the 2012 INTECOL Conference in Florida in June.

Katie Donnelly will table a conference report at all future Research Committee meetings.

The report will include information such as:

- School approved and Research related conference attendance.
- Pre-approval and proof of attendance reports.
- Conference feedback.

★ 12. CEM Report

S Cook

Dr Simon Cook presented the CEM Report.

CEM academics met to discuss the future of the group. It was agreed that the group has outgrown the label of Environmental Management. It is now home to 22 academics from a variety of disciplines with diverse research interests. It also boasts 25 active Honorary appointees.

It was decided that CEM will split into four distinct research groups which will operate under the broader umbrella of a renamed CEM. The groups will be as follows:

- Biodiversity and Conservation – to be led by Assoc Professor Singarayer Florentine.
- Wetlands Climate and Water Resources – to be led by Dr Keely Mills.
- Environmental Geoscience – to be led by Dr Peter Dahlhaus.
- Sustainable Practices – to be led by Dr Michelle Graymore.

The CEM will start tracking projects using a new database to look for areas of potential collaboration. The Committee discussed potential collaboration within the School.

Minutes

Research Committee

School of Science, Information Technology & Engineering

University of Ballarat
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The CEM Annual Report is in draft form. Current activity is at \$146, 000 for the 2012 calendar year with one tender under consideration (with Parks Victoria). Next month the CEM will be focussing on consolidating current work and looking for further funding.

★ 13. CIAO Report

The CIAO Report was tabled and noted.

★ 14. Colloquia & Seminars

Dr Sita Venkatraman

NB. This item was delivered before Items 12 and 13

Dr Sita Venkatraman delivered the Colloquia and Seminars report.

- There have been 3 visitors in the past 2 weeks, including one researcher from Swinburne University and another from NICTA.
- Professor Fernando J. Martin-Sanchez from the University of Melbourne presented the June Colloquium.
- There will be a Colloquium and a Seminar in July.

Professor John Yearwood expressed concern over the lack of student attendance at Colloquia. He indicated that he would like 3rd year and Honours students to be encouraged to attend. He would also like the invitation extended to HDR students in other schools where relevant. Dr Sita Venkatraman advised that she will ask Kerrie Dunn to investigate this further.

Dr Sita Venkatraman, Professor John Yearwood and Dr Peter Vamplew left at 3.00pm.

★ 15. General Business

The Chair noted the Strategic Capacity Building for Australian Educational Research survey distributed by Professor Erica Smith and encouraged researcher to contribute to the study.

The Chair advised the Committee that the CRN will be holding a Collaboration Day on Tuesday 24th July. This will be attended by UB CRN researchers as well as partners from other institutions.

The meeting closed at 3.40pm.

Next Meeting Friday 3rd August 2012

Academic Board

Extract of Minutes

University of Ballarat
Learn to succeed



To:	Assoc Prof Suzanne McLaren - Chair, Research Committee
cc:	
From:	Ms Valma Ffrost – Executive Officer, Academic Board
	Tel: (03) 5327 9600 Email: v.ffrost@ballarat.edu.au
Date:	6 July 2012
Meeting Ref:	Academic Board Meeting 4/12
Subject:	Extract from minutes

Please find below an extract of the unconfirmed minutes from the Academic Board Meeting 4/12 held 6 July 2012:

Academic Board 4/12

13. Report from Research Committee

13.1 The Board noted the minutes from the Research Committee 2/12 meeting held 26 April 2012.

Resolution AB4/12/28

The Board noted the Higher Degree by Research awards that were approved by the Chair Academic Board, on advice from Chair Research Higher Degrees Sub-Committee and the Chair of Research Committee, in between meetings of Research Committee 1/12 and Academic Board 2/12.

13.2 The Board noted the minutes from the Research Committee 3/12 meeting held 7 June 2012.

Professor Frank Stagnitti provided the Board with background to the following recommendation. The Show Cause Procedure for Higher Degree by Research Students (HE) was drafted by Research Committee, has been to Research Committee and Policy Committee for approval, posted on UB News for uni wide comment and all concerns and comments received have been incorporated in the procedure.

Resolution AB4/12/29

Academic Board approved the Show Cause Procedure for Higher Degree by Research Students (HE).

Resolution AB4/12/30

The Board noted the Higher Degree by Research awards that were approved by the Chair Academic Board, on advice from Chair Research Higher Degrees Sub-Committee and the Chair of Research Committee, in between meetings of Research Committee 2/12 and Academic Board 3/12.



Professor Frank Stagnitti
Deputy Vice-Chancellor (Research)

Wednesday, June 6, 2012

Dear Professor Stagnitti

The focus of the new School of Health Sciences is on education excellence and innovative research. The school has a wide range of health study areas including Biomedical Science, Food and Nutrition, Human movement and Sport Sciences, Nursing, Occupational Health and Safety, and psychology in both higher education and a VET sectors.

Our academics combine teaching with internationally recognised research to create a cutting edge learning environment. Our researchers work across all major fields of health and have a reputation for research that translates from “region to the world”.

The research strengths of the School of Health Sciences are (1) exercise/sport and its effect on health from childhood to adulthood, in addition to sport participation and injury and safety. We are also investing in the future of sport and disease prevention by studying the effects of exercise on the molecular basis of disease. (2) In the biomedical/nutrition field we are investigating the causes of chronic diseases such as diabetes and cardiovascular disease. (3) Our health theme is also expanded by research on developing nursing practice and health care services and (4) followed with the mission of our psychology group to enhance the ability of individuals and groups to thrive despite experiencing adversity.

The School of Health Sciences strategic plan in research builds on past achievements that include successful funding from Australia’s peak body, the NHMRC and on developing new strategies consistent with the University's strategic goals and trends in research, in addition to increasing research outputs and income.

Over the next three years the School will:

- Undertake a thorough audit of research activities undertaken in the school to map the current state of research
- Continue to support the ongoing development of existing areas of research strength;
- Support the following as developing new areas of research strength:
 - Clinical Science in particular ageing and chronic conditions, in addition to regional factors affecting health
 - Sports and Exercise in Health



- Achieve a three star or higher of the above in FoR code 11 and at least one discipline, as defined by four-digit code (FoR);
- Attract 3 'new' category 1 Grants and Fellowships
- Double the extent of interdisciplinary research and linkages with external groups, as well as be a significant contributor to the CRN programme within the university;
- Establish criteria for academic staff to be defined as 'research active', and to support these staff members;
- Foster researcher career development with a particular emphasis on early career Researchers and Higher Degree by Research students
- Develop a marketing plan;
- Establish a lobbying network to promote the value of health science research in regional Australia

In light of our above goals we have transparently tabled below our expenditure of the Research Block Grant 2012 as set out by the rules on expenditure in sections 2.4 and 2.5 of the RIBG Conditions of Grant from the Commonwealth Department of Innovation, Industry, Science and Research.

<i>\$ Amount</i>	<i>Purpose</i>
120,000	PhD and Masters Student support at \$3000 or \$1800
140,000	Staff Development and conference attendance
70,000	Statistical staff member to support students and staff
5,000	Research Colloquium support
50,000	Research Seeding Grants
10,000	Grant and Paper writing support
60,000	Technical Staff 0.1 FTE x4
30,000	Nursing Research support
20,000	Thesis binding and writing support
505,000	Total Funding

Also find attached the Principle Performance indicator tables as requested in your letter.

Your Sincerely

Fadi Charchar



Research Block Grant Reporting

Fields of Research

Principal Performance Indicators (Required)	Baseline ¹	Target 2013 ²
Number of disciplines, as defined by two-digit Fields of Research (FoR), performing at world standard or above (3, 4 or 5)	1 (11)	2
Number of disciplines, as defined by four-digit FoR, performing at world standards or above (3, 4 or 5)	1 (1106)	2
Disciplines the university commits to demonstrating substantial improvement in as defined by two-digit FoR and/or four-digit FoR	0101 0102 0406 0502 0602 0608 0801 0802 0806 0904 0908 1103 1106 1110 1117 1301 1302 1303 1501 1503 1506 1608 1701 1905 2103	1106 1103 1117 1701

¹ Baseline data is collected in 2010 but will generally refer to an earlier period. For example, the baseline for weighted publications is collected through the 2010 HERDC data collection but relates to items published in 2009. Similarly, the targets relate to the year in which the data is collected.

² Target refers to data collected in the previous year. For more information, see definition of baseline data.



Research Block Grant Reporting

SHS

Principal Performance Indicators (Required)	Baseline ³	Progressive Target 2011 ⁴	Progressive Target 2012	Target 2013 ⁵
Category 1 income	\$535,153.51	>500,000	>500,000	>600,000
Number of joint Category 1 research grants with other universities and research organisations in Australia	3	3	3	4
Number of joint research grants with overseas	1	1	2	3
Number of jointly supervised PhD students with other universities and research organisations ▶ in Australia ▶ Overseas	Australia: 1 Overseas: 1	Australia: 8 Overseas: 1	Australia: 8 Overseas: 1	Australia: 9 Overseas: 2

³ Baseline data is collected in 2010 but will generally refer to an earlier period. For example, the baseline for weighted publications is collected through the 2010 HERDC data collection but relates to items published in 2009. Similarly, the targets relate to the year in which the data is collected.

⁴ Progressive target refers to data collected in the previous year. For more information, see definition of baseline data.

⁵ Target refers to data collected in the previous year. For more information, see definition of baseline data.

Fadi Charchar, Associate Dean (Research)

University of Ballarat, School of Health Sciences, P.O. Box 663, Ballarat
Victoria, 3353, Australia

Email: f.charchar@ballarat.edu.au, Phone: +613 5327 6098, Fax: +613 5327 9840



Additional Performance Indicators (May be proposed by the University)	Baseline	Progressive Target 2011	Progressive Target 2012	Target 2013
Community engagement in research index (number of community groups engaged in collaborative research activity)	2	4	5	7
Contribution of research to regional capacity building (assessment by partners of contribution of UB to capacity building within their organisation on 5 point Likert scale)	2	2	3	5
Regionally Relevant Research index (proportion of research projects at UB addressing "regional" issues)	50%	50%	60%	60%
Regional research brokerage (number of research projects to which UB staff have contributed where that research is not part of a funded project at UB)	3	6	8	8



The Business School: Principal Performance Indicators (Required)	Baseline ¹	Target 2013 ²
Number of disciplines, as defined by two-digit Fields of Research (FoR), performing at world standard or above (3, 4 or 5)	0	0
Number of disciplines, as defined by four-digit FoR, performing at world standards or above (3, 4 or 5)	0	0
Disciplines the university commits to demonstrating substantial improvement in as defined by two-digit FoR and/or four-digit FoR	1501	1401
	1503	1501
	1506	1503
		1505
		1506

The Business School: Principal Performance Indicators (Required)	Baseline ³	Progressive Target 2011 ⁴	Progressive Target 2012	Target 2013 ⁵
Category 1 income		LP110100088 - \$30302	LP110100088 - \$42142	LP110100088 - \$30062 LP 160,000
Number of joint Category 1 research grants with other universities and research organisations in Australia	0	0	0	1
Number of joint research grants with overseas	0	0	0	1
Number of jointly supervised PhD students with other universities and research organisations	0	1	1	2
▶ in Australia				
▶ Overseas				

¹ Baseline data is collected in 2010 but will generally refer to an earlier period. For example, the baseline for weighted publications is collected through the 2010 HERDC data collection but relates to items published in 2009. Similarly, the targets relate to the year in which the data is collected.

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⁵ Target refers to data collected in the previous year. For more information, see definition of baseline data.

BOS.



The Business School: Additional Performance Indicators (May be proposed by the University)	Baseline	Progressive Target 2011	Progressive Target 2012	Target 2013
Community engagement in research index (number of community groups engaged in collaborative research activity)	10	14	15	20
Contribution of research to regional capacity building (assessment by partners of contribution of UB to capacity building within their organisation on 5 point Likert scale)	not available	not available	not available	not available
Regionally Relevant Research index (proportion of research projects at UB addressing "regional" issues)	30%	40%	40%	50%
Regional research brokerage (number of research projects to which UB staff have contributed where that research is not part of a funded project at UB)	3	4	5	7

School of Education and Arts
Summary of Expenditure of the 2012 Research Block Grant (RGB)

RTS index	RTS Perf.	JRE	TOTAL
\$130,238	\$165,415	\$182,212	\$477,865

The disbursement of these Research Block Grant Funds in the School of Education and Arts has been guided by:

- University of Ballarat Research Plan and priorities
- School of Education and Arts Strategic Plan
- *School of Education and Arts Research and Research Training Plan 2012-5.*
- Plans and related needs of School of Education and Arts Research Groups: CERG (Cultural Enquiry Research Group); ADIEH (Addressing Disadvantage In Education And Health), CERG (Cultural Inquiry Research Group); RAVE (Research Adult and Vocational Education), Better Pedagogies and CARG (Creative Arts Research Group).

Decisions about funding disbursement in were delayed to May 2012 (and complicated) by very late advice about the reduced School *and* research funds available for 2012, and therefore limited opportunities and timeline for proper consultation with staff and HDR students across the recently amalgamated School. The disbursement of funds summarised was agreed to at the SEA Research Committee on 18 May 2012.

The JRE funds of \$140,496 effectively available (after previously committed expenses of \$41,716 for research coordination have been factored in) have been distributed as a percentage of the total available, as below (NOTE: the percentages exceed 100 as more research funds have been budgeted for that are available through JRE: this budget leads to a \$62,000 JRE deficit that would be funded by the School). In effect additional SEA funding for these important initiatives amounts to 44% of budgeted JRE expenditure.

- 59 % to research development through staff conference support, conditional on subsequent journal articles
- 27% to the five Research Groups in SEA (65% of which goes to ADIEH: Addressing Disadvantage in Education and Health)
- 14% to four small staff research projects
- 28% to research intensive leave (for 2 staff)
- 11% to staff HERDC performance funds
- 3% to staff for timely HDR completions
- 2% for miscellaneous staff research support.

Of the \$295,653 in RTS funding, previously committed expenses for research coordination total \$90,656), leaving \$204,897 available. The percentages below are as a proportion of the funds available, with \$10,273 (5%) uncommitted.

- 44% HDR candidate support
- 22% HDR conference support
- 5% HDR publication award support
- 10% facilities/IT/resources support
- 7% ADIEH support

- 7% miscellaneous HDR support
- 5% VET PhD cohort support

Research performance and targets by field of research.

In the ERA 2010 exercise SEA produced publications which exceeded the minimum threshold in the following six four digit fields of study, with comparative world rankings as indicated:

- 1301 Education Systems (1= well below world standard)
 - 1302 Curriculum and Pedagogy (1= well below world standard)
 - 1303 Specialist Studies in Education (2= slightly below world standard)
 - 1608 Sociology (1= well below world standard)
 - 1905 Visual Arts and Crafts (1= well below world standard)
 - 2103 Historical Studies (1= well below world standard)
- SEA achieved a 2 (slightly below world standard) for a two digit level for FoR 13 in ERA 2010.
 - SEA has a target of 3 (at world standard) for ERA 2012.
 - The area of research closest to world standard in SEA is Education. FoR 13 is responsible for around half of the research outputs and income across the university
 - The group achieving most research (measured by publication output and research income) is ADIEH: Addressing Disadvantage in Education and Health. For this reason it receives a relatively higher level of funding than other research groups across the School, totalling approximately ten per cent of combined Research Block grant income.

SEA Research Performance and Targets to 2013

Principal Performance Indicators (Required)	Baseline ¹	Progressive Target 2011	Progressive Target 2012	Target 2013
Category 1 income	\$64,968.36	\$103,108.00	XX	XX
Number of joint Category 1 research grants with other universities and research organisations in Australia	2	2	XX	XX
Number of joint research grants with overseas	0	0	XX	XX
Number of jointly supervised PhD students with other universities and research organisations	Australia: 2 Overseas: 0	Australia: 4 Overseas: 0	Australia: XX Overseas: XX	Australia: XX Overseas: XX

¹ Baseline data is collected in 2010 but will generally refer to an earlier period. For example, the baseline for weighted publications is collected through the 2010 HERDC data collection but relates to items published in 2009. Similarly, the targets relate to the year in which the data is collected.



Principal Performance Indicators (Required)	Baseline ¹	Target 2013 ²
Number of disciplines, as defined by two-digit Fields of Research (FoR), performing at world standard or above (3, 4 or 5)	0	0
Number of disciplines, as defined by four-digit FoR, performing at world standards or above (3, 4 or 5)	0	0
Disciplines the university commits to demonstrating substantial improvement in as defined by two-digit FoR and/or four-digit FoR	1501	1401
	1503	1501
	1506	1503
		1505
		1506

Principal Performance Indicators (Required)	Baseline ³	Progressive Target 2011 ⁴	Progressive Target 2012	Target 2013 ⁵
Category 1 income		LP110100088 - \$30302	LP110100088 - \$42142	LP110100088 - \$30062 LP 160,000
Number of joint Category 1 research grants with other universities and research organisations in Australia	0	0	0	1
Number of joint research grants with overseas	0	0	0	1
Number of jointly supervised PhD students with other universities and research organisations	0	1	1	2
▶ in Australia				
▶ Overseas				

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Additional Performance Indicators (May be proposed by the University)	Baseline	Progressive Target 2011	Progressive Target 2012	Target 2013
Community engagement in research index (number of community groups engaged in collaborative research activity)	4	7	7	
Contribution of research to regional capacity building (assessment by partners of contribution of UB to capacity building within their organisation on 5 point Likert scale)				
Regionally Relevant Research index (proportion of research projects at UB addressing "regional" issues)	30%	40%	40%	50%
Regional research brokerage (number of research projects to which UB staff have contributed where that research is not part of a funded project at UB)	1	1	1	



Principal Performance Indicators (Required)	Baseline ¹	Target 2013 ²
Number of disciplines, as defined by two-digit Fields of Research (FoR), performing at world standard or above (3, 4 or 5)	0	2
Number of disciplines, as defined by four-digit FoR, performing at world standards or above (3, 4 or 5)	0	2
Disciplines the university commits to demonstrating substantial improvement in as defined by two-digit FoR and/or four-digit FoR	0	5

Principal Performance Indicators (Required)	Baseline ³	Progressive Target 2011 ⁴	Progressive Target 2012	Target 2013 ⁵
Category 1 income	\$320k	\$400k	\$450k	\$500k
Number of joint Category 1 research grants with other universities and research organisations in Australia	5	5	6	7
Number of joint research grants with overseas	0	0	1	2
Number of jointly supervised PhD students with other universities and research organisations				

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▶ in Australia	2	10	12	14
▶ Overseas	0	1	1	2

Additional Performance Indicators (May be proposed by the University)	Baseline	Progressive Target 2011	Progressive Target 2012	Target 2013
Community engagement in research index (number of community groups engaged in collaborative research activity)	2	3	6	8
Contribution of research to regional capacity building (assessment by partners of contribution of UB to capacity building within their organisation on 5 point Likert scale)	2	2	3	4
Regionally Relevant Research index (proportion of research projects at UB addressing "regional" issues)	50%	60%	70%	80%
Regional research brokerage (number of research projects to which UB staff have contributed where that research is not part of a funded project at UB)	12	14	16	20

HERDC 2012

Unconfirmed Cat 1 Data

160086	SEA	ARC Link - Re-engaging Youth	\$51,841.00	1	LP100100045	John Smyth
160057	SEA	ARC Linkage - Gaming Machines	\$52,891.00	1	LP0990647	John McDonald
160110	SEA	DP 10102619 Smyth	\$87,124.00	1	DP110202619	John Smyth
160136	SEA	LP 110200888 Erica Smith	\$22,854.00	1	LP110200888	Erica Smith
510128	SEA	NCVER - Psychological Contract	\$48,315.00	1	NR10004	Erica Smith

SEA Total: \$263,025.00

160076	SITE	ARC Linkage - Catchment Rest.	\$41,767.00	1	LP0990642	Singarayer Florentine
160079	SITE	ARC Linkage - Grampians WimMal	\$60,826.00	1	LP0990908	Adil Baghirov
160109	SITE	DP 110102011 Kruger	\$86,339.00	1	DP110102011	Alex Kruger
510089	SITE	LWA - Drought History	\$125,000.00	1		Peter Gell

SITE Total: \$313,932.00

160063	SHS	NHMRC Scholarship	\$15,630.00	1	565903	Lauren Petrass
160082	SHS	ARC Linkage - Triple G	\$103,738.00	1	LP0990206	Warren Payne
160129	SHS	1009490 Charchar - Gene Copy	\$162,510.00	1	1009490	Fadi Charchar

SHS Total: \$281,878.00

160111	TBS	LP 110100088 Clark	\$30,779.00	1	LP110100088	Ian Clark
510127	TBS	NCVER Building Innov Capacity	\$37,200.00	1	NR10001	Andy Smith

TBS Total: \$67,979.00

TOTAL CAT 1 INCOME: \$926,814.00

School of Education and Arts
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 - 1905 Visual Arts and Crafts (1= well below world standard)
 - 2103 Historical Studies (1= well below world standard)
- SEA achieved a 2 (slightly below world standard) for a two digit level for FoR 13 in ERA 2010.
 - SEA has a target of 3 (at world standard) for ERA 2012.
 - The area of research closest to world standard in SEA is Education. FoR 13 is responsible for around half of the research outputs and income across the university
 - The group achieving most research (measured by publication output and research income) is ADIEH: Addressing Disadvantage in Education and Health. For this reason it receives a relatively higher level of funding than other research groups across the School, totalling approximately ten per cent of combined Research Block grant income.

SEA Research Performance and Targets to 2013

Principal Performance Indicators (Required)	Baseline ¹	Progressive Target 2011	Progressive Target 2012	Target 2013
Category 1 income	\$64,968.36	\$103,108.00	XX	XX
Number of joint Category 1 research grants with other universities and research organisations in Australia	2	2	XX	XX
Number of joint research grants with overseas	0	0	XX	XX
Number of jointly supervised PhD students with other universities and research organisations	Australia: 2 Overseas: 0	Australia: 4 Overseas: 0	Australia: XX Overseas: XX	Australia: XX Overseas: XX

¹ Baseline data is collected in 2010 but will generally refer to an earlier period. For example, the baseline for weighted publications is collected through the 2010 HERDC data collection but relates to items published in 2009. Similarly, the targets relate to the year in which the data is collected.



Principal Performance Indicators (Required)	Baseline ¹	Target 2013 ²
Number of disciplines, as defined by two-digit Fields of Research (FoR), performing at world standard or above (3, 4 or 5)	0	2
Number of disciplines, as defined by four-digit FoR, performing at world standards or above (3, 4 or 5)	0	2
Disciplines the university commits to demonstrating substantial improvement in as defined by two-digit FoR and/or four-digit FoR	0	5

Principal Performance Indicators (Required)	Baseline ³	Progressive Target 2011 ⁴	Progressive Target 2012	Target 2013 ⁵
Category 1 income	\$320k	\$400k	\$450k	\$500k
Number of joint Category 1 research grants with other universities and research organisations in Australia	5	5	6	7
Number of joint research grants with overseas	0	0	1	2
Number of jointly supervised PhD students with other universities and research organisations				

¹ Baseline data is collected in 2010 but will generally refer to an earlier period. For example, the baseline for weighted publications is collected through the 2010 HERDC data collection but relates to items published in 2009. Similarly, the targets relate to the year in which the data is collected.

² Target refers to data collected in the previous year. For more information, see definition of baseline data.

³ Baseline data is collected in 2010 but will generally refer to an earlier period. For example, the baseline for weighted publications is collected through the 2010 HERDC data collection but relates to items published in 2009. Similarly, the targets relate to the year in which the data is collected.

⁴ Progressive target refers to data collected in the previous year. For more information, see definition of baseline data.

⁵ Target refers to data collected in the previous year. For more information, see definition of baseline data.



▶ in Australia	2	10	12	14
▶ Overseas	0	1	1	2

Additional Performance Indicators (May be proposed by the University)	Baseline	Progressive Target 2011	Progressive Target 2012	Target 2013
Community engagement in research index (number of community groups engaged in collaborative research activity)	2	3	6	8
Contribution of research to regional capacity building (assessment by partners of contribution of UB to capacity building within their organisation on 5 point Likert scale)	2	2	3	4
Regionally Relevant Research index (proportion of research projects at UB addressing "regional" issues)	50%	60%	70%	80%
Regional research brokerage (number of research projects to which UB staff have contributed where that research is not part of a funded project at UB)	12	14	16	20

Category 1 Income						
School or CRN	Funding Body	Project Title	Staff Members Involved	Funding Amount	Partners Involved	Status of Application
SITE	CAAR Council for Arab Australia Relations		Stranieri	\$23,000.00		Awarded May 2012
SITE	ARC Discovery		Wu			Pending
SITE	ARC Discovery		Baghirov			Pending
SITE	ARC Discovery		Pineda-Villavicencio			Pending
SHS	ARC Discovery		Adhikari			Pending
SEA	Linkage		Smith			Pending
SHS	Linkage		Eime			Pending
SITE	Future Fellowship		Vamplew			Pending
SHS	Future Fellowship		Berzins			Pending
SITE	NHMRC		Zhang			Pending
SHS	NHMRC		Charchar			Pending
SHS	NHMRC		Charchar			Pending
CRN	NHMRC		Myers			Pending
BCRC	NHMRC		Berzins			Pending
CRN	NHMRC Career Development		Myers			Pending
SEA	ARC DECRA		Wilson			Pending
SITE	Australia-China Council		Dzaillov			Pending
SITE	Australia-China Science Research Fund		Watters			Pending
SITE	Australia-China Science Research Fund		Kattell			Pending

Total Category 1 Income: \$23,000.00 (awarded May 2012)

Category 2 & 3 Income						
School or CRN	Funding Body	Project Title	Staff Members Involved	Funding Amount	Partners Involved	Status of Application
TBS	0	0	0	0	0	0
SITE	0	0	0	0	0	0
SHS	0	0	0	0	0	0
SEA	0	0	0	0	0	0

Total Category 2 & 3 Income: \$0

Ethics					
School/CRN	No. of applications submitted	Outcome after first review			Approval Withheld
		Approved	Provisional Approval	Approval Withheld	
SEA	20	6	14	0	
SITE	0	0	0	0	
TBS	6	0	5	1	
SHS	10	2	6	2	
CRN	0	0	0	0	
Total	36	8	25	3	

HDR				
School	Commencing	Completed	Withdrawn	
SITE	8	4	0	
SEA	20	4	2	
TBS	4	2	0	
SHS	4	2	0	
CRN	6	0	0	
Total	42	12	2	

Publications**						
School	Journal Articles	Books	Book Chapters	Conferences	Creative Works	Total
TBS	1	1	2			4

**NB. Full publications reporting will commence in July.

