“DISCOVERY”
Discovering Research,
Discovering Teaching & Learning,
Discovering Self.

2003
Women in Research
Conference

Central Queensland University
13-14 November 2003
Rockhampton, Qld
Celebrating 10 years of WiR @ CQU

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Discovering self through teaching in a second language in the multicultural classroom

Women discovering self through the Women into Science and Technology Bridging Program

Women discovering self through the Women into Science and Technology Bridging Program
Welcome

On behalf of Women in Research (WIR) I would like to welcome you all to the Women in Research Discovery Conference, on this the 10th Anniversary of WIR. One of the aims of a conference is to promote the significant research that is undertaken by women and to showcase the diversity of women’s research. The conference also embraces the diversity that our male colleagues bring and for this reason we are presenting research from both genders. This collaboration contributes to the rich tapestry of experience and knowledge and strengthens the bonds amongst us.

This conference gives our delegates an opportunity to present, to the broader community their research, thus raising community awareness of issues that do not always reach this level.

The WIR (Rockhampton Alumni) has assembled an exciting programme. I hope that you all enjoy the papers presented at this conference and take the opportunity to network with local, national and international colleagues who maybe working in your area of “Discovery”. Please feel free to come and say hello throughout the conference, I’d love to meet you.

Lorna Moxham
Chair Women in Research.

Conference themes

In this year, 2003, WIR celebrates its tenth birthday at Central Queensland University. The special essence of this partnership is captured by the conference theme of ‘Discovery’. As a leading tertiary provider, Central Queensland University has been both innovative and entrepreneurial, so for these reasons the conference theme fits like a glove with the values of CQU. The themes of ‘Discovering Research’ and ‘Discovering Teaching and Learning’ are core values of a progressive institution such as CQU. The third theme, ‘Discovering Self’, is equally important as many people entering university are embarking upon a journey that leads them along numerous paths of discovery. Discovering about your ‘Self” gives you the ability to fly – it provides the wind beneath your wings. Go ahead and use the conference as an opportunity to discover even more!!

Women in Research

Women in Research was established in 1993, as a network to support and encourage women engaged in research and its related activities within the Central Queensland University environment. The group is active on all CQU’s regional campuses: Rockhampton, Mackay, Gladstone and Bundaberg. All women involved in Research are invited to join.

Women in Research have four primary objectives:

- to identify the opportunities and constraints that women encounter when developing a research profile,
- to identify a network of people who will assist in supporting the development of women’s research activities;
- to promote the idea that research encompasses all fields of inquiry and is not restricted to academic staff only;
- to maintain links and promote the significance of women’s research contributions to the wider community.
Wir Executive Committee
Dr Lorna Moxham  Chair  l.moxham@cqu.edu.au
Assoc Prof Helen Waite  Deputy Chair  h.waite@cqu.edu.au
Ms Julie Parry  Finance Officer  j.parry@cqu.edu.au
Ms Kaylene Douglas  Secretary  k.Douglas@cqu.edu.au

Conference Steering/Editing Committee
Dr Lorna Moxham  Dr Sandra Walker  Ms Trudi Dwyer
Ms Kaylene Douglas  Ms Judith Wooller  Ms Mary Cornelius

Conference Secretariats
Ms Mary Cornelius  Ms Kim Gohdes  Ms Gail Foex

Conference information

Disclaimer
The speakers, topics and times as shown are correct at time of printing. In the event of unforeseen circumstances the organiser reserves the right to delete or alter items in the program or substitute speakers.

Messages
There is a message board outside the Harvard Theatre in the courtyard near the registration desk. Please check at regular intervals. The phone number for the two days of the conference for incoming calls is 0408309341

Mobile Phones
Please ensure that all mobile phones and pagers are switched off during sessions.

Non-smoking policy
The courtyard and rooms in which the conference will be held are smoke free areas.

Registration Desk
Is located in the Courtyard of building 32.
Open from 8.00 am to 5.00pm on 13th November
Open from 8.30 am to 1.00pm on 14th November

Speaker’s preparation
A room has been allocated for speakers who wish to view presentations before their session. There will be a computer available in Building 32, G 38.
Sponsors

WiR would like to thank the following sponsors who have generously supported this conference.

NRMA

Central Queensland University
  Office of Research
  DVC Professor Ron Davies
  ADR Arts, Health and Sciences
  ADR Engineering
  ADR Business and Law
  ADR Informatics and Communication
  School of Health and Human Performance
  School of Nursing and Health Sciences
  WIST

Pearson Education

Rydges Capricorn Resort
### THURSDAY 13 NOVEMBER 2003

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* Dreamtime Centre is located on the Bruce Highway, otherside to CQU, approximately 500 metres north.
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Key Note Speaker
Elizabeth M Deane
Dean, Division of Environmental & Life Sciences
Macquarie University


Deane is currently Head of Division of Environmental and Life Sciences at Macquarie University. Prior to this she consistently held academic leadership positions for the past fifteen years as Head of Department and Head of School at the university of Western Sydney. She has initiated and led the development of a number of educational programs, including the B. Sc (Biological Sciences), M. Clinical Sciences, M. Reproductive Medicine. B Liberal Studies all at UWS and the B. Health at Macquarie. Deane is also currently a Director of Biomed North, a consortium aimed at increasing the interface between university and hospital research and industry to deliver commercial outcomes. She has had significant experience in attracting funding for major projects and seeing them through to completion. These include two Evaluation and Investigation Program Grants, two DETYA Teaching and Learning Grants and two current Science Lectureship grants. Of the latter one of these projects is concerned with developing and delivering a program in Wildlife and Habitat Management for practitioners. This project has involved constructing a consortium of experts from agencies concerned with habitat and wildlife to contribute to the program.

Deane is an active researcher in the area of marsupial biology and management. She is a member of the executive for the CRC for Conservation and Management of Marsupials and as such has had broad experience in contributing to the direction of research programs in wildlife management. She is currently the recipient of an ARC SPIRT grant with Perth Zoo, and two ARC Linkage grants one with Taronga Zoo, the other with TGR Biosciences, Adelaide. These grants are directed at developed better management tools for captive and wild populations of marsupials and in examining innate defence strategies in these mammals. As Head of Division, Deane is also responsible for the effective operation of the Macquarie University Fauna Park. This responsibility includes both financial management as well as ensuring ethical compliance and management of the research population.
Professor Vicki Sara was appointed Chief Executive Officer of the Australian Research Council in July 2001. From September 1997 to June 2001 she was the Chair of the Council and member of the Prime Minister’s Science Engineering and Innovation Council (PMSEIC). She is Chair of the Bureau of Meteorology Advisory Board, and a member of the CSIRO Board, the Cooperative Research Centres Committee, and the Rio Tinto Foundation for a Sustainable Minerals Industry. She is a Fellow of the Australian Academy of Science, and the Australian Academy of Technological Sciences and Engineering. Professor Sara was appointed Vice-Chair of the OECD’s Global Science Forum in 1999, and member of the Advisory Board of the APEC R&D Leaders’ Forum in 2002.

Professor Sara returned to Australia in 1993 following a research career at the Karolinska Institute in Stockholm.

After receiving a UNESCO postdoctoral fellowship to Sweden, Professor Sara held various research positions at the Karolinska Institute, Stockholm, heading the Endocrine Pathology Research Laboratory. Whilst at the Institute she isolated a growth hormone factor responsible for regulating foetal brain development.

She was awarded the Rolf Luft medal in 1993 for excellence in endocrine research by the Karolinska Institute in recognition of her work, and also received the Sir John Eccles Award from the NH&MRC in 1994. She was appointed as foreign Professor of Karolinska Institute in 1995.

Prior to her appointment to the ARC, Professor Sara was Dean of Science at Queensland University of Technology (QUT). Other appointments at QUT included Head of School of Life Science, and Director of the QUT-based Cooperative Research Centre for Diagnostic Technologies.

For more information contact Professor Sara on (02) 6284 6605.
Keynote Speaker  
Professor Gail Whiteford  
Charles Sturt University

Professor Gail Whiteford currently holds the Chair of Occupational Therapy at Charles Sturt University in Albury, NSW Australia. She is also the Centre Director of the university’s newest research centre, Research Into Professional Practice, Learning and Education: RIPPLE, she also holds positions as an Adjunct Professor at Dalhousie University in Canada and at James Cook University in Queensland. She has published internationally in the occupational therapy literature and is member of the editorial board of the Journal of Interprofessional Care based in London and is the Associate Editor of the Australian Occupational Therapy Journal. Gail is actively involved in research at her own university, currently undertaking a pilot study with Kosovar refugees and an intercultural competence study using critical incident methodology in Vietnam. She is the Senate Nominee to the Research Management Committee and is convenor of the Women's Research Forum.
Keynote Speaker
Professor Amy Zelmer

Amy Zelmer’s early career was in community health, nursing, adult education and university administration in Canada and India. She moved to Central Queensland in 1988 to become Principal Lecturer at the Capricornia Institute of Advanced Education and worked through the multiple changes of programs and institution to become the Foundation Professor and Dean for what became the Faculty of Health Science at Central Queensland University. Since “leaving the payroll” (some would say “retiring”) in 1996 Amy has continued to supervise some post-graduate students, worked as a mediator and Joint Regional Director for the Queensland Anti-Discrimination Commission, been a member of two IDP delegations to the People’s Republic of China, volunteered as an adult literacy tutor, become heavily involved with the Cochrane Collaboration (health research), prepared materials for Project Gutenberg and provided volunteer services for the CQU special Collections. She has also indulged in her interest in travel, survived a broken femur (which provided an experience of cross-cultural health care), struggled with tai chi and learned to swim!
TALENT IDENTIFICATION OF 13-22 YEAR OLD MALE AND REMALE CYCLISTS IN REGIONAL QUEENSLAND.

1Mary Cornelius, 1Peter Reaburn, 2Tim Gabbett, 2Ken Tucker
1Central Queensland University, Rockhampton,
2Queensland Academy of Sport Brisbane, Queensland

Competitive track and road cycling are physiologically demanding sports, requiring enormous demands from the aerobic and anaerobic energy pathways. The successful performance of the cyclist is often related to the volume and intensity of training. Therefore, the purpose of this study is to establish a battery of physical and physiological tests to unearth individuals that are suited to cycling.

During the period from May 2003 and June 2003, approximately 1300 school age individuals from the Rockhampton region participated in Phase 1 of a National Talent Search Program conducted by the Queensland Academy of Sport and Central Queensland University, Rockhampton. Only individuals in the top 2% of Phase 1 test scores from Basketball Throw, Vertical Jump, 40m sprint and Multi-Stage Fitness Tests were selected to proceed to more cycling-specific, laboratory and field tests in Phase 2. Twenty-three individuals (16 males and 7 females) in the top 2% of Phase 2 results were selected based on their performance in the following laboratory and field tests: 10s Power Test, Vertical Jump, 10m and 40m sprint, Multi-Stage Fitness Test, 60m bicycle sprint from a standing start position, and subjective coach estimates of coordination and skills on the bicycle.

These individuals will enter into Phase 3 - a specialised developmental training program where their training loads, physiological and competition performances will be monitored and documented. Training loads will be documented in an attempt to determine the most appropriate training stimulus to improve performance. The results of the study will also provide important information on the development pathway of a novice to a high performance cyclist.