26th Postgraduate and Early Career Researcher Group Research Symposium


Friday 27 November 2020 | 9am – 5pm | Online via Zoom

Zoom links emailed out to registered attendees before the event.
To register email PGECRSymposium@usq.edu.au

Please note: If you wish to contact the PGECR symposium committee at any time during this event, please send an email to PGECRSymposium@usq.edu.au to receive a prompt response.

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<th>Time</th>
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| 9:00 am – 9:05 am | **Welcome** to the 26th Postgraduate and Early Career Researcher Group Research Symposium  
                   Acknowledgement of Country  
                   Cristy Bartlett - Zoom link 1 |
| 9:05 am – 9:45 am | **Keynote Presentation: Professor Gina Wisker**  
                   Introduction: Douglas Eacersall | Zoom link 1 |
| 9:45 am – 10:45 am | **Session 1**  
                   STREAM 1  
                   Session Chair: Doug Eacersall  
                   Chat moderator: Megan Forbes  
                   Zoom link 1  
                   1. Allison Millward - Writing about one’s heroes: using research networks to insure objectivity in historical writing.  
                   STREAM 2  
                   Session Chair: Alice Brown  
                   Chat moderator: Ellen Larsen  
                   Zoom link 2  
                   3. Natalia Veles - University research collaboration as a third space practice.  
                   4. Yvonne Findlay - Enacting a collaborative doctoral supervision session.  
                   5. Alison Bedford - Toes, Coat-tails and Shoulders: Collaboration, co-authorship and career opportunities from an ECR perspective.  
                   STREAM 3  
                   Session Chair: Jennifer Luke  
                   Chat moderator: Debbie Mulligan  
                   Zoom link 3  
                   6. Anindita Shome - Learning and (Un)learning through Collaborative Work: Researching and Writing from Dual/Multiple Perspectives and Strengths.  
| 10:45 am – 11:00 am | **Morning break** |
| 11:00 am – 12:00 pm | **Session 2**  
                   STREAM 1  
                   Session Chair: Megan Forbes  
                   Chat moderator: Doug Eacersall  
                   Zoom link 1  
                   9. Matteo Dietz - Refining, consolidating, articulating and promoting: The sharing of a co-publishing and co-presenting journey between doctoral supervisor and student.  
                   10. Kathryn Mason - Collaborative supervision relationships challenging methodological paradigms in case study design.  
                   11. Susan Sharpe - Collaboration during Data analysis.  
                   STREAM 2  
                   Session Chair: Ellen Larsen  
                   Chat moderator: Naomi Ryan  
                   Zoom link 2  
                   Lunch break |
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| **STREAM 1** | **Session Chair:** Doug Eacersall  
**Chat moderator:** Ellen Larsen  
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| 15. Jay Somasundaram - Research collaborations across paradigms: Reuniting the arts, the social sciences, and the natural sciences. |
| **STREAM 2** | **Session Chair:** Naomi Ryan  
**Chat moderator:** Jennifer Luke  
**Zoom link 2** |
| 17. Andrew Bell - Operational Cognitive Readiness (OCR): An introduction to the concept and discussion on collaborative research opportunities. |
| 18. Patrick Danaher - Mother-Son Research Collaboration as Purposeful Relationality: From the Emotional Dynamics of Research Relationships to Embracing Otherness. |
| 19. David Thorpe - Developing research teams through co-publishing with students. |

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<th>Session 4</th>
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| **STREAM 1** | **Session Chair:** Ellen Larsen  
**Chat moderator:** Megan Forbes  
**Zoom link 1** |
| 20. Francis Gacenga - Reproducible Research - An Introduction to the purpose and ways to make your research reproducible. |
| 21. Anju De Alwis - Impact of Blockchain in education |
| **STREAM 2** | **Session Chair:** Debbie Mulligan  
**Chat moderator:** Naomi Ryan  
**Zoom link 2** |
| 23. Bridget Donovan - One label does not fit all. |
| 24. Dr Jasvir Kaur Nachatar Singh - Sustainable supervisory relationships with international postgraduate students: A qualitative exploration at a Malaysian research university. |
| 25. Linda Ng - Creating a More Highly Qualified Nursing Workforce: Partnership between ACNN and University of Tasmania. |

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<th>Session 5</th>
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| **STREAM 1** | **Session Chair:** Doug Eacersall  
**Chat moderator:** Ellen Larsen  
**Zoom link 1** |
| 26. Stephen R Mears - Facilitating research through learning-based workshops and international collaboration. |
| 28. Leonie Sherwin - The 3 Cs - Connecting, Collaborating and Coronavirus! |
| **STREAM 2** | **Session Chair:** Jennifer Luke  
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<th>Session 6</th>
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| **STREAM 1** | **Session Chair:** Doug Eacersall  
**Chat moderator:** Ellen Larsen  
**Zoom link 1** |
| 32. Kerrie-Anne Hammermeister - Collaborating with researchers: offering insights from my chicken project to discover my epistemology, ontology, and axiology. |
| 33. Dennis Walker - Factors influencing medication errors in the pre-hospital environment – an innovative methodological approach |
| **STREAM 2** | **Session Chair:** Naomi Ryan  
**Chat moderator:** Jennifer Luke  
**Zoom link 2** |
| 34. Vicki Cecilia Dallinger - Promoting personal recovery in adolescents with mental health concerns: The development and evaluation of an online recovery college. |
| 35. Dushanthi M Wanninayake - A study of PFOA destruction using Combined Ultrasonication (US) and Advanced Oxidation Processes (AOP) involving Ozone (O3) - (US/O3 system). |

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<tr>
<th>Session 6</th>
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| **OVERVIEW, CONCLUSION & THANKS** | Douglas Eacersall and Cristy Bartlett  
**Zoom link 1** |
KEYNOTE PRESENTATION

Presenter: Professor Gina Wisker
Position: Doctoral Supervisor International Centre for Higher Education Management University of Bath. Emeritus Professor University of Brighton.

Title: Working together: Communities, cohorts and ongoing supervisor candidate/graduate interactions.

Abstract: Although a common view of the postgraduate or career researcher is that of a lone worker late at night in a lab discovering the solution to a major problem or somebody scribbling in an attic writing a great tome, in most contexts, successful research and subsequent publication depends much more upon communities, and working professional critical friendships. In this short research and experience-based talk I am going to look at: 1) Beyond the dyadic relationship, the importance of developmental dialogues: PGR/ECR and supervisor interactions and communities. 2) Part of the process – writing and researching together, PGRs and supervisors in Scandinavia/Nordic countries. 3) Two examples of successful cohort/community based doctoral programmes to offer examples of transferable good practice – a) Anglia Ruskin (international cohort, supervisor forum (Wisker et al., 2003, 2007)) and b) models at Bath (Online cohort meets etc.…). 4) Finally we will look at experience of and research into long term collaborative work, particularly writing together between PGRs and supervisors (Wisker, G., Robinson, G. & Leshem, S., 2021, ‘Working together beyond the PhD’ The Global Scholar. Rule, P. (ed.). Sun Media Press, South Africa).

Session 1 – STREAM 1

1.
Presenter: Allison Millward
Position: Lecturer USQ College / PhD student at USQ
Research Area: History
Personal fact: I learned to ride a bicycle at age of 27 and now it is my favourite activity. You are never too old to learn something new :)

Title: Writing about one’s heroes: using research networks to insure objectivity in historical writing.

Abstract: Life writing in history has its own challenges and opportunities. A popular view on ethics and life writing in history is there are few ethical considerations because the subjects are usually deceased. However, life writing in history can have several repercussions including researchers misunderstanding or misinterpreting a personal narrative either by mistake or to fulfill an agenda. Such errors would create an imprecise account in a situation where the deceased cannot self-advocate. Families who remember the deceased can be protective of their narrative, and can become unnecessarily critical of academics if they question the family’s representation of a deceased figure. Conversely, researchers may have great admiration for the historical figure(s) and, therefore, a desire to tell their story in a positive light, selecting the most positive sources and conclusions to represent that figure’s life. This is especially so if the researcher had entered the research with previous admiration for the person/group whom they are researching. This presentation will focus on the researcher’s own story of writing about her heroes in her doctoral and professional research and how, to maintain within the bounds of historical objectivity, she utilizes both her formal and informal communities of practice to ensure their stories are told in an academic, professional manner. The researcher will show comments from her professional network and share conversations with her informal research groups to reveal the ongoing conversation about objectively narrating a history. The presentation will reveal the importance of multiple types of having diverse research communities, especially when discussing ethics.

2.
Presenter: Hisham Bakr
Position: Doctor of Business Administration & IAS Tutor
Research Area: Business Administration
Personal fact: Impressive research needs impressive support! Please release the conflict of interest's worry and collaborate to support the communities.

Title: Alliances between organizations & research collaboration.

Abstract: Collaboration during crises provide good opportunities for innovative entrepreneurs to adapt and therefore to support the community and, at the same time, to maximize the corporation’s returns. In particular, these opportunities are to be found in the travel industry and these are important because many barriers to improving customer relationships, customer satisfaction and corporate social responsibility exist in the Australian travel industry. While this research is very impressed and is well appreciated by most of the recipients! How can this research be implemented without a strong research support and collaboration from all the parties? How can the
collaboration starts and may release the worry about any personal’s conflict of interest? Ethical issues will be considered appropriately, with participants being fully informed so that they may provide their informed consent. The study’s intended contributions to knowledge include extending current theoretical understandings of the links between business innovation and sustainability, and contributing to new theoretical insights into corporate social responsibility as a means of helping to align and mediate innovation and sustainability in the Australian travel industry. This particular research could be integrated in the Health, Housing and Education sectors as well as being potentially applied by multinational corporations (MNCs), in order to adapt and survive or even thrive, during times of change and difficulty, such as during the COVID19 pandemic.

Session 1 – STREAM 2

3. Presenter: Natalia Veles
   Position: College Manager, College of Arts, Society and Education (JCU) AND a PhD Candidate (Higher Education Research)
   Research Area: Higher Education, university third space collaboration, professional staff roles and identities
   
   Title: University research collaboration as a third space practice.

   Abstract: Collaboration research argues that working together is an optimal way of dealing with the complex and competitive business world. It affords drawing on the resources, capabilities and expertise of individual actors while using the collaborative energy of people not only to achieve the immediate project goals, but also to enhance the collaborative capital of the whole organisation (Beyerle in, Freedman, McGee, & Moran, 2003). Similar arguments are applied to the contemporary university contexts (Eddy, 2010; Marshall, 2018). An earlier discussion (Veles, Carter, & Boon, 2019) of university staff collaboration presented the case that the third space professionals (Whitchurch, 2012) were optimally positioned to lead complex cross-boundary collaborations. Drawing on the selective findings from the doctoral research study of the university third space, this paper provides more nuanced insights into the professional and academic staff professional partnership acknowledging both the “moral complexities” (Macfarlane, 2017, p. 474) and operational barriers to working together, while presenting an argument for the third space as a site of practice to enable and sustain university research collaborations.

4. Presenter: Yvonne Findlay
   Position: Lecturer
   Research Area: Human Rights education; Rights of the Child
   Personal fact: Yvonne is an ‘early career’ researcher and enjoying being so despite first qualifying and teaching in 1970.
   
   Title: “But, Bridget, have you thought about…?”: Enacting a collaborative doctoral supervision session.

   Abstract: The collaborative research relationship between a PhD student and her supervisors is explored in this presentation that enacts a supervision session. The players are: PhD Student: Ms Bridget Donovan, Associate Supervisor: Dr Yvonne S Findlay, Principal Supervisor: Prof Patrick Danaher. The enactment exemplifies the tensions, humour and mutual understandings/misunderstandings that can occur during a supervision conversation with a PhD student. In this short cameo, all three are endeavouring to narrow the focus of a potential research project. The process enacted in this presentation is one that almost all HDR students and supervisors experience in the early stages of preparation for the candidate’s Confirmation of Candidature. It is an important step in the process and is the point at which candidates and supervisors begin their collaboration. It is also a point at which all parties get to know one another and create a way of working together. It gives some insight into both the student’s and the supervisors’ perspectives on how this process should work.

5. Presenter: Alison Bedford
   Position: Sessional Lecturer and Assistant Examiner, EDS4404 and EDR8801
   Research Area: History curriculum and pedagogy, English Literature
   Personal fact: I love video-games, especially ones with some historical basis – I plan to play Assassin’s Creed Valhalla and pretend to be a Viking this holiday period, and I also have used them in my secondary school teaching.
   
   Title: Toes, Coat-tails and Shoulders: Collaboration, co-authorship and career opportunities from an ECR perspective

   Abstract: Entrée into the wider academic research community can be a challenge to recently graduated PhDs who are yet to secure ongoing or permanent employment in academia. This paper will share my experience of fostering collegial relationships with senior
researchers which have in turn opened up an array of opportunities in employment, publishing, research and grant acquisition which would not have been possible alone. Having established a positive profile through strong performance in teaching contracts, opportunities for co-authored publications have become available. The reciprocal nature of this co-authorship meant that as an ECR I gained experience and guidance in navigating the processes of publication and also had support in further developing ideas. This collaboration then resulted in contact with other senior academics and the opportunity to join a research team as part of the USQ Open Educational Practice grants project. While approaching more well established academics with similar research interests may feel like you are stepping on toes or riding on coat-tails, the experiences and exposure gained allow ECRs to stand shoulder to shoulder with leaders in their field, gaining opportunities and experiences that would otherwise not be possible until later in one’s career.

Session 1 – STREAM 3

6.

Presenter: Anindita Shome
Position: PhD in Indian Diaspora Studies.
Research Area: Diaspora and Migration Studies

Personal fact: I love making to-do lists and bucket lists, and even if I only manage to get one thing done in a day, I end up adding ten more things to be done to the never-ending lists.

Title: Learning and (Un)learning through Collaborative Work: Researching and Writing from Dual/Multiple Perspectives and Strengths.

Abstract: An early career research student requires not just a conducive environment for research, s/he needs to be given opportunities to be able to learn how to research. At the start of my research courses, I had limited ideas about how to go ahead with effective reading and writing for different academic purposes- for submission to a journal, book reviews, and so on. As I started working on research projects and dissertation, and as I started getting more responsibilities from my supervisor regarding the collaborative research project we are still working on, etc, I made ample mistakes and learnt to rectify those mistakes. The encouragement and support received from my supervisor provided me with an impetus to shoulder more responsibilities as a doctoral candidate. This presentation would be about the spaces of support that gets created in collaborative research, the instant feedback from the co-author, and the confidence one gains to work on a project independently later on.

7.

Presenter: Peter Harold Dale
Position: DPHD - Doctor of Philosophy
Research Area: Metaethics

Personal fact: I am passionate about physical education. As part of that ethos, I have been studying martial arts for several years including Judo, Brazilian Jiu Jitsu, Kick Boxing and Krav Maga. I was fortunate to attend and compete in the 2016 National Judo Championship in Geelong, Victoria where I placed fourth in Australia in the Masters Division. Ironically, I competed against both Victoria and Queensland.

Title: Altruism and Research Collaboration: A Conceptual Approach

Abstract: Collaboration is an altruistic rather than egoist process. It is an exciting, illuminating and invigorating process. There is a dynamism between teacher and student which is partly instructed and partly ad hoc. The collaborative process benefits from the following conceptual framework: 1) Reciprocity – both teacher and student playing the part of actor and recipient; 2) Conscious Awareness – having intent and accountability for participation in the collaborative process; 3) Epistemology – sharing knowledge and educating; 4) Understanding – both understanding and reflecting on the collaborative process; and 5) Purpose – having and finding purpose and meaning in the collaborative process. In my experience thus far, I have found my supervisors to have enacted the Multi-Conceptual Analysis with the following behaviours: a) active listening; b) active feedback; c) prompt responses; d) active discussion; e) openness to discussion; f) availability; g) providing valuable references; h) providing valuable questions; g) genuine interest; h) respect and empathy; i) providing initiatives and; j) subtle instruction. These behaviours have reflected and aligned with the tenets of altruism and show that the collaborative process is not an isolated exercise, but involves social and community engagement that benefit all. This research is supported by an Australian Government Research Training Program (RTP) Scholarship.
Presenter: Cecily Jensen-Clayton
Position: Researcher/mentor (my second PhD).
Research Area: Human potential and development (sociology, psychoanalysis, political science, linguistics)
Personal fact: As part of my academic journey spanning 20 years of sustained study in multiple areas and across multiple disciplines, I am doing a second PhD because it gives me the research relationships, structure, and academic freedom I need to be able to articulate my work.

Title: Research Relationships as Intellectual Connections and Collaborations.

Abstract: Seeking out collaborations inarguably needs to hold a high degree of importance in our academic journeys, and often it is the functional elements of ‘collaboration’ such as opportunities for ongoing networking and also building networks, opportunities to publish while improving the crafting of our thought and writing that are ‘front of mind’ for us. However, in the wake of COVID-19 and the de-escalation of opportunities for paid work some reworking of the way we consider our collaborations could be beneficial. This presentation suggests we need to foster research relationships that specifically promote and better meet our intellectual aspirations. In a reordered post-COVID-19 interconnected virtual world, the need of spaces and relationships that nurture and promote intellectual virtues is of increasing importance. There is a need to seek out the types of relationships that recognise and support our desire for intellectual adventure though deployment of intellectual virtues such as intellectual playfulness, courage, openness, confidence, humility, intellectual honesty, curiosity, fairness and attentiveness. It is these type of research relationships – intellectual spaces that foster and encourage intellectual freedom - that can offer us the sustainability we need to keep us at a threshold of becoming in a way that aligns with the newness of the coming age.

Session 2 – STREAM 1

9.
Presenter: Matteo Dietz
Position: PhD student
Research Area: Active play in early childhood education
Personal fact: I am an early childhood educator currently working in Saudi Arabia

Title: Refining, consolidating, articulating and promoting: The sharing of a co-publishing and co-presenting journey between doctoral supervisor and student

Abstract: Co-publishing and co-presenting with doctoral supervisors affords the opportunity to collaboratively refine thinking and consolidate and synthesise key elements of a doctoral study. This presentation shares the journey of co-developing a first Q1 journal paper that addresses one particular aspect of a doctoral study that being the impact of 7 early year educators’ understandings, values and beliefs about their active play on efforts to support active play within their early year contexts in Sri Lanka. The presentation shares the result of a joint collaboration between a HDR student and their supervisors where multiple perspectives, insights and understandings from the research team led to a deeper contextual understanding of this particular aspect of the study. A shared interest in and valuing of using a social ecological model to better understand the idiosyncratic nature of each context and the complexity of individuals interacting with and moving within a complex nest of interconnected systems has led to a number of deeper contextualised insights. Examples of insights gained from this collaboration and to the informing to the first Q1 paper include: developing a strategic publication plan; identifying targeted journals to publish in; and the structuring and planning for this first planned paper.

10.
Presenter: Kathryn Mason
Position: Doctoral student & casual teaching staff member
Research Area: Shared support relationships contributing children’s wellbeing in educational settings
Personal fact: My family and I own two early education services on the Darling Downs. In addition to my work at the centres, I act as a support worker with ten year old girl with Autism. In between these, being a mum, studying and part time teaching at USQ I enjoy writing story books about children with diverse needs, and hope to publish these in the future.

Title: Collaborative supervision relationships challenging methodological paradigms in case study design

Abstract: This presentation will illustrate how the power of critical and collaborative partnerships between a research student and her supervision team led to challenging existing methodological paradigms in case study design. Constructive conversations and the
questioning of taken for granted ways of working culminated in the development of a poststructural case study design, championing a Foucauldian application of Situational Analysis (SA). This unique application of new methodological perspectives extends on existing situational mapping by harnessing cooperative research-participant mapping processes that enhance the trustworthiness of research data, while illustrating the multiple truths of those experiencing the phenomenon under investigation. Sharing insights into the development of this journey from both the research student and supervisors’ perspectives offers others the opportunity to value the complexity of supervision dynamics in the creation of new knowledge.

Presenters:

1. Susan Sharpe
   - Position: Early Childhood Consultant and Doctoral Student
   - Research Area: Effective Knowledge transfer
   - Personal fact: I did not own a pair of shoes until I was six.
   - Title: Collaboration during Data analysis

   **Abstract:** This presentation will provide an overview of how the researcher undertook a structured, rigorous and collaborative approach to analysing data from four research sites to develop and write an informed and nuanced, cross case analysis chapter for her thesis, focused on exploring knowledge transfer practices of early childhood educators in excellent rated early years learning services. In line with the symposium theme of collaboration, the presentation will demonstrate the process of how the researcher capitalised on ongoing communication and feedback from supervisors to inform what turned out to be an evolving multiple phased approach to the ordering, clustering and organisation of data into sub themes and eventually higher level categories of broader themes to inform the cross case analysis. The phases comprised of a preliminary organisation and planning of each data chapter, coding of data from each site into common and unique sub themes, and clustering of the sub themes into broader themes. Finally, the writing phase was again a primarily individual task, with drafts circulated and feedback provided by both supervisors. This collaborative process guided the researcher in her reflection, decision-making and continuous efforts in refining this important data chapter.

Session 2 – STREAM 2

   - Position: PhD candidate (Research) / USQ Career Development Educator (Professional)
   - Research Area: Vocational Psychology / Career & Workforce Development
   - Personal fact: Initial career as a software developer and digital media designer.
   - Title: You’re not an island. Using social media to build collaborative research networks and strengthen PhD employability.

   **Abstract:** Collaboration during doctoral research is important both for strengthening publication partnerships as well as expanding networks and career avenues to academia, industry, community, and government. What does collaboration and networking mean though via new social media pathways? Where do you start in finding collaborative partners and professional networks online? Research collaboration networks are important for personal and interpersonal knowledge creation and productivity. Social media networking can connect researchers and stakeholders from diverse disciplinary backgrounds and fuel innovation, creativity, and discovery of meaningful career opportunities. This presentation will utilise the author’s PhD focus on career re-engagement of older workers as an example of how research can expand and strengthen due to collaborative Australian and overseas networks from within academia, industry, and community. With initial concepts in the research leading to online conversations with academic, professional and community colleagues; the importance of the research to these various cohorts became apparent and highlighted the advantages of developing research communication skills within social media. Overall, this presentation will provide the audience with opportunities to consider the power of social media in building meaningful professional connections with collaborators of likeminded social concerns and research objectives, as well as personally strengthen employability of a researcher.

13. Ashley Woods
   - Position: PhD Student, School of Management and Enterprise, University of Southern Queensland, Australia.
   - Research Area: Identifying the temporal context of VT determinants
   - Title: Networking through Peer-Reviewing and Academic Social Networking Sites to Facilitate Increased Contributions to Research.
Abstract: Entering academia can feel like stepping out into the unknown, unsure of how to make the right networks to develop one’s career. In the 21st Century there are many ways that Doctoral students can not only contribute to their field but also meet like-minded colleagues. One of these methods is to actively seek out and partake in the peer-review process with journals. Doctoral students often remark that they experience improvements in their own research capabilities as peer-reviewing experience is gained, generally with guidance from senior faculty. There are benefits to peer-reviewing such as increased confidence, understanding different methods of analysing research, and building a network with academics one might not have otherwise. Secondly, proliferation of social networking particularly in academia with Academic Social Networking Sites (ASNS) can be explored. These nexuses can provide means of networking and sharing ideas in direct or adjacent fields. Websites such as ‘Research Gate’ and ‘Academia.edu’ can help laid the foundation for research networks that allow Doctoral students to enter or create research communities. This presentation will discuss the launch of Doctoral students into networking opportunities, a period filled with trepidations but with potential for personal and professional growth.

Session 3 – STREAM 1

14.
**Presenter:** Hazel Jones

**Position:** PhD at USQ / Learning and Teaching Consultant (Curriculum) in Griffith Business School

**Research Area:** A combination of learning analytics implementation and professional learning for academic staff

**Personal fact:** I demonstrated my passion for my research area at a recent conference dinner that had a theme of educational technology superheroes by including a long red wig and angel wings embossed with LA lady

**Title:** Researcher-Participant relationships: A reflection on six years of collaborations.

**Abstract:** My Design-based research study was conducted in the context of a regional Australian university and my participants were academic staff from across the institution. I adopted the Behaviour Change Wheel (BCW) as the theoretical framework to develop an effective implementation plan to increase staff uptake of a new approach to data-informed teaching practice. In a DBR study, collaboration occurs in Phases 1 and 3 and in this study they involved eight participants and two iterative trials with six and seven participants respectively. Participants’ commitment and willingness to provide open and frank perspectives and constructive feedback were humbling and made a major contribution to the success of my research. Participants all reported benefits from their participation including increased capabilities, built form mentoring from myself as researcher and sharing of experiences and social learning opportunities provided in group discussions. This presentation will provide a brief overview of DBR research and the BCW, and their application in my study before sharing experiences of working with the participants and building their trust which resulted in relationships which were collegial and collaborative, and proved to be synergistic for all.

15.

**Presenter:** Jay Somasundaram

**Position:** Retired from full-time work, part-time PhD candidate - thesis is multidisciplinary, most closely aligned to education policy and futures studies

**Research Area:** Application of the human sciences to education

**Personal fact:** A rolling stone - studied or worked in six countries, with Australia now the longest.

**Title:** Research collaborations across paradigms: Reuniting the arts, the social sciences, and the natural sciences.

**Abstract:** Paradigm changing discoveries in the natural sciences have delivered unprecedented prosperity through the industrial revolutions. This success imprinted a simplistic belief in the superiority of the natural sciences and their methodologies (in comparison to the arts and the social sciences) in our collective psyche. But now, natural scientist Edward Wilson argues that recent scientific discoveries in the human sciences (the science that study humans, and the behaviour of the cultures and institutions they construct) indicate that it is time to reunite the arts, social sciences and natural sciences – a time for consilience. I briefly describe five such paradigm changing discoveries about human learning and thinking that I am investigating and publishing on (much of which is available through ResearchGate). My goal in making this presentation is to extend an open invitation to anyone interested in collaborating with me. Research across paradigms is exciting, insightful, and rewarding.
Presenter: Daniel George Dusza  
Position: Doctor of Education candidate  
Research Area: Education  
Personal fact: Daniel has been affiliated with the University of Southern Queensland, where he used to play hide and seek in the DDIAE grounds, as a child. He was one of the first students to fast-track his engineering degree, was employed in the National Centre for Engineering in Agriculture [sic], and was instrumental in introducing Pro-tools for the “new” digital studio to the University about 20-years ago.

Title: Working Collaboratively Through the Global Digital-Frontier: An Ethno-autobiography

Abstract: This autoethnographic presentation recounts the beneficial outcomes of an international collaboration between researchers, teachers, and students, which was achieved through technology and carefully maintained collaborative networks. The importance of trust and accountability and its role in the maintenance and development of this research team are discussed. The presentation covers particular issues facing many researchers like gaining access to restricted research sites, particularly where cultural and ethical considerations are often in conflict, and gaining approval to conduct research in schools from students, teachers, and education administrators is either problematic or impossible. How these problems were solved through technology and collaboration, and how this symbiotic relationship has led to innovative research and culturally sensitive methodological practices, which span international legal, ethical, and moral boundaries will be explained. Participants in this presentation should leave encouraged and well informed about the benefits of building and maintaining collaborative research networks through technology and the symbiotic affordances of collaboration through technology. Opportunities to discuss these issues with this team of international researchers from Japan, Australia, and China, will be provided.

Session 3 – STREAM 2

17.
Presenter: Andrew Bell  
Position: Lecturer Paramedicine and PhD candidate  
Research Area: Educational Methodology  
Personal fact: When I haven’t been running around as a paramedic I have been a dance music DJ playing at some of the world’s best music festivals, such a Splendour in the Grass.

Title: Operational Cognitive Readiness (OCR): An introduction to the concept and discussion on collaborative research opportunities

Abstract: Operational Cognitive Readiness (OCR) has been defined as a state of mental preparedness that incorporates psychological, physiological and sociological factors of human cognition and therefore could be considered as a critical prerequisite for effective operational performance in both individual and team environments. As such, OCR constitutes an important determinant in assessing and developing capabilities to provide successful execution of performance tasks in stressful, ambiguous, and unpredictable situations. While the majority of the current literature on OCR is directly attributable to military operations and personnel, the broader concept of OCR should also be considered as relevant and of significance to other operational domains that include complex, dynamic, and cognitively demanding environments. These associated domains could include areas such as paramedicine, fire and rescue, high-level sport and police tactical units, whose working environments encompass a range of physiological, intellectual, affective, and psychosocial skills as both individuals and teams. This presentation looks to investigate and highlight the viability and relevance of studying OCR in these associated disciplines. Furthermore, it looks to provide initial research into the development of reliable OCR assessment tools and consider possible future directions for the development of OCR educational methodologies across a variety of research disciplines. The proposed OCR projects include research collaborations between exercise physiology, psychology, paramedicine, biomedical science and public health. USQ has also developed a strong working relationship with industry partners TacMed, who work extensively training emergency responders in high acuity environments, while also developing HDR students working exclusively in the OCR research space.
18.

**Presenter:** Patrick Danaher  
**Position:** Permanent, full-time academic  
**Research Area:** The education of occupationally mobile communities  
**Personal fact:** Four felines facilitate my research collaborations, and a fifth visits from time to time to keep me in line.

**Title:** Mother–Son Research Collaboration as Purposeful Relationality: From the Emotional Dynamics of Research Relationships to Embracing Otherness

**Abstract:** According to some paradigms, the purpose of research is to help us to understand one another, ourselves and the world. From that perspective, research conducted in concert with others generates in microcosm occasions to enact and evaluate the effectiveness of that wider purpose. Such research collaborations encapsulate the broader opportunities and challenges arising from intensive interactions between researchers and research participants as well as among researchers. Furthermore, collaborative research includes an affective dimension that is often unexplored but that can have powerful effects – both positive and negative – on those involved in the collaboration. Attending to “the emotional dynamics of research relationships” (Bondi, 2007, p. 231) is therefore vital to rendering such relationships as facilitative and supportive as possible. This proposition is illustrated by reference to the authors’ continuing research collaboration, including co-authored and co-edited publications and presentations. This collaboration is analysed in terms of purposeful relationality. Distilling the intentionality underpinning the relationship assists in linking its “emotional dynamics” (Bondi, 2007, p. 231) with both authors’ ongoing commitment to embracing multiple forms of otherness, which they argue is a crucial element of the rationale for and significance of research and of research collaborations alike.

19.

**Presenter:** David Thorpe  
**Position:** Associate Professor (Engineering/Technology Management)  
**Research Area:** Sustainable engineering and construction management  
**Personal fact:** My son is a dentist who is studying a Doctor of Clinical Dentistry at the University of Sydney

**Title:** Developing Research Teams through Co-Publishing with Students

**Abstract:** One of the challenges for research students is writing their research results and other documentation from an academic point of view. Supervisory teams can assist students to meet this challenge through working with them to develop their research writing skills by publication of research concepts and results in quality journal papers that are jointly authored by the student and supervisors. The supervisory team’s role in this process is to encourage the student to publish as soon as possible, usually shortly after obtaining Confirmation of Candidature, and to work with the student to develop a suitable topic, assist with suitable journal identification, provide feedback on written work through regular review and meetings, and help the student to understand and respond to reviewer comments. To be useful in developing the student’s publication and writing skills, the research papers developed through this collaboration should focus on significant aspects of the student’s research. Observed benefits of this process have included the development by the student of an understanding of how to write publications, the development of a positive research team relationship aimed at the student’s success, and the publication of good papers by the student that can positively contribute to the research thesis.

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**Session 4 – STREAM 1**

20.

**Presenter:** Francis Gacenga  
**Position:** Manager (eResearch)  
**Research Area:** Information Technology  
**Personal fact:** I have spent two decades making Information Technologies to support people using them to achieve organisational or individual goals. The first computer I was exposed to was a Mainframe computer.

**Title:** Reproducible Research - An Introduction to the purpose and ways to make your research reproducible

**Abstract:** A case is presented on the importance of reproducible research in improving the quality and impact of any study. An outline of the the purpose of pursuing and achieving reproducible research is presented underlined by examples of reproducibility crises across fields of research. The principles and benefits of reproducible research are discussed as well as the importance of HDR, ECR, MCR and Research...
Leaders incorporating reproducible research practices. An examination of the current funding regulatory and research environment approach to reproducible research and how it is governed, supported and operationalised. A walk through setting up and executing reproducible research with participants encouraged to adopt and adapt general guidelines for making their research reproducible.

21.

**Presenter:** Anju De Alwis  
**Position:** Full time employed  
**Research Area:** Blockchain  
**Personal fact:** Digital nomad lives in Dubai currently co-founder of online education company

**Title:** Impact of Blockchain in education

**Abstract:** Inclusive and quality education is a 2030 sustainable development goal of the United Nation Development Program. The current education accreditation process carried out manually poses significant risk to quality of education due to increasing volume of falsification of academic certificates. This research will explore the possibility of a decentralised data management tool using blockchain technology for an effective solution. It will aim to provide quality control, accountability and transparency of information through its unique characteristics such as immutability and decentralisation. Limited research has been carried out in this topic. The study will adopt an interpretivist approach. The research will be in collaboration with a blockchain development company based out of India. The researcher will construct knowledge and meaning through the interactions with the research participants to find a solution through blockchain technology where a prototype will be evaluated. Qualitative case study methodology will be used to document the challenges in the process of accreditation of certifications. Same methodology will be used to analyse the appropriate technology framework that can be used as a solution to the problem. The participants or the key stakeholder collaborating in this research will be blockchain technology prototype that will provide input to the framework as well as education and accreditation bodies such as Association of International Certified Professional Accountants and Government of Dubai. As part of ethical consideration participants will be briefed on the research aim and goals. The names of individual participants will be changed to ensure anonymity and ethics approval will be sought. The study is exploratory in nature, methods such as interviews, field studies and observation will be carried out to obtain in-depth information. The interviews will be recorded and transcribed by using Cisco Webex software. The transcripts will be analysed using QSR NVivo and this will be used to analyse, code and categorise data using thematic analysis. This implication of this research is to find a technological solution (framework) to the problem of accreditation which impacts the quality of education.

22.

**Presenter:** Wing Keung Ip  
**Position:** PhD  
**Research Area:** Innovation of Age Care Technology in Dementia  
**Personal fact:** Age care consultant in Hong Kong, CEO, Eden Initiative (HK) Limited / Eden Health and Technology PTY LTD, Associate Lecturer, University of Queensland, Lecture, the Education University of Hong Kong, Clinical Educator in Occupational Therapy (Hong Kong, Australia), Honorable Project Assessor (Rehabilitation International, WHO)

**Title:** The Novel Intervention of Virtual Reality Technology on Reducing Fall Risks among People Living with Dementia and Cognitive Impairment

**Abstract:** Virtual Reality (VR) technology has potential for reducing the risk of falls in aged care services. There are indications of a positive training effect as a cognitive-motor intervention method to improve the postural balance and cognition on safe walking. There is little evidence, however, supporting the long-term effect of VR application or the existence of a research-based training protocol on fall prevention program using VR among PLWD and MCI. The project seeks to examine this gap by addressing the research question: What are the effects of VR technology on reducing the risk of falls in older persons with cognitive impairment? This study adopts a positivist framework which guides the researcher to investigate the potential for the novel approach of VR application to change the fall risk factors in the experimental research. The research aims to deduct the cause-effect relationship between the VR technology intervention and the postural balance and cognitive performance on fall prevention. A quantitative methodology research design will be applied to investigate how the participants experience the Cave Automatic Virtual Environment “CAVE” VR intervention program in a randomized control trial experimental study. Participants will be recruited from the community aged care facilities in Hong Kong. The participants will receive six weeks of fall prevention training with or without “CAVE” VR intervention. The collected data will be analyzed statistically and used to examine the changes of the dependent variables when the independent variables are different. As the study involves human subjects, the university ethical approval and the organizational approval will be sought prior to data collection. Findings from this project are expected to provide evidence about the effectiveness of innovative “CAVE” VR intervention with guiding principles and recommendation(s) on fall prevention program among PLWD and MCI in aged care services.
Session 4 – STREAM 2

23.
Presenter: Bridget Donovan
Position: part time PHD and casual teaching
Research Area: education curriculum
Personal fact: I am patriotic
Title: One label does not fit all.

Abstract: A character in Judy Nunn’s first novel is described as having “never allowed herself to be dictated to by people or circumstances and she didn’t intend to start now” (1991, p.162). In my thirty-nine-year teaching career I have always been dictated to by people or circumstances but have decided to stop that now with the writing of this thesis. My study will examine fictional characters: women and possibly others to investigate their unfolding lives within theme of being strong and tough and spiritualism. The contemporary theoretical framework will emerge from a selection of Judy Nunn’s novels specifically individual characters: how they cope with life and what they teach the reader. Research participants in this study will have been opportunistically sought from within my significant other support groups. Personal conversations with friends and Judy Nunn readers could step up to being sources of information for me about education in their own lives and towards preferred shared futures in Ipswich. The study will utilize my MPhil (Donovan, 2004), but respectfully depend on Day’s (2000), Danaher’s (2001), and Findlay’s (2018) PhD thesis in the field of Education to conceptualize the Judy Nunn framework. Furthermore, to examine how Judy Nunn novels have informed and entertained us on our life journeys. Specifically, to do with gender, moving countries, finding kindred spirits, and working towards being stronger and tougher. My thesis argues that Judy Nunn has become, for me personally, a source of ongoing information and entertainment and has been for many years my chief source of hope.

24.
Presenter: Jasvir Kaur Nachatar Singh
Position: Early Career Researcher/Lecturer
Research Area: Internationalisation of higher education
Personal fact: I am able to read an ancient script which is few hundred years old.

Title: Sustainable supervisory relationships with international postgraduate students: A qualitative exploration at a Malaysian research university.

Abstract: In the Western and Malaysian literature, research supervision scholarly work encompasses three major themes which include supervisors’ roles, supervision challenges and effective supervision strategies. Limited scholarly work is evident in exploring sustainable supervisory relationships formed between supervisor and supervisee upon graduation based on international postgraduate students’ insights. Recent work suggests that exploration of these kind of relationships between a supervisor and supervisee is timely as there is positive long-term effects of studying abroad for both parties and it can enhance supervision experience and relationship as well. Against this background, this presentation aims to explore the perceptions of sustainable supervisory relationships between supervisors and supervisees in Malaysia upon graduation. Drawing on a qualitative study based on semi-structured interviews with 33 international postgraduate students and 10 academic staff at a Malaysian research university, sustainable supervisory relationships were perceived in terms of employment rapport, further research collaboration and global engagement (networking). Implications of developing significant and profound relationships at micro (student and staff member) and macro (institution and national government) levels are also discussed.

25.
Presenter: Linda Ng
Position: Senior Lecturer
Research Area: Nursing
Personal fact: Linda Ng joined the School of Nursing and Midwifery at The University of Southern Queensland in 2019. In her teaching role, Linda create an environment that is conducive to learning— a place where students can immerse themselves in a subject of discipline as they assimilate a body of requisite information, concepts and skills. Linda believes learning is an active process, requiring motivation, effort and persistence. Linda is a Fellow with the Higher Education Academy, UK.

Title: Creating a More Highly Qualified Nursing Workforce: Partnership between ACNN and University of Tasmania
Abstract: Quality patient care hinges on having a well-educated nursing workforce. Research has shown that lower mortality rates, fewer medication errors, and positive outcomes are all linked to nurses prepared at the postgraduate degree levels. I completed my PhD on exploring registered nurses’ attitudes towards postgraduate education in Australia, which identified the facilitators of and barriers to postgraduate education. From my own research, I have found that there is a need for collaborative solutions that enable all nurses to take the next step in their educational development to better serve the health needs of the country. In the acute sector, changes to care and improvements in technology has led to the increasing need for a highly specialised nursing workforce. Some specialties would not be able to function efficiently without an appropriate specialist nurse workforce. Acting on the findings from my PhD, I was significantly involved in negotiating with University of Tasmania to offer ACNN members full scholarship on HECS fees to pursue postgraduate study in neonatal nursing on behalf of The Australia College of Neonatal Nurses (ACNN) - a national, not for profit organisation and peak professional body for neonatal nurses in Australia.

Session 5 – STREAM 1

26.
Presenter: Stephen R Mears
Position: Doctor of Professional Studies
Research Area: Transdisciplinarity with an education focus
Personal fact: My interest in Germany - I always return to Germany whenever an overseas opportunity presents itself. Wonderful and rich culture with excellent cuisine - a warm wine in winter makes it all worthwhile.

Title: Facilitating research through learning-based workshops and international collaboration

Abstract: The aim and purpose of this project is to formulate an exploratory framework of action research in order to examine the level of importance specific stakeholder groups place on documenting objects in the course of doing their work. Learning workshops are to be conducted in collaboration with German interested parties and consist of small-medium sized groups to facilitate the engagement between stakeholder groups and the researcher. The stakeholder groups in question are German supervisors, leading hands or business owners (Meisters-Si) working in the Handwerk (craft) industries in the German Mittelstand and represented under the leadership of the German Federal Institute for Vocational Education and Training (BiBB). A number of benefits and challenges can be obtained from this event. Firstly, it provides an alternative means to validate the research by including the delegates as active contributors to the research process. Secondly, the workshops and the research tools incorporated, may provide Meisters with insight, in how to improve or evaluate further, their process(es) or procedure(s). Thirdly, the degree of interpersonal and professional rapport required between interested parties, in a post Covid-19 environment, to plan, organise and implement these workshops is critical to the success of the research (for all parties involved).

27.
Presenter: Shakoor Ahmed
Position: PhD candidate
Research Area: Modern slavery in Accounting, corporate governance and non financial disclosure.
Personal fact: I was an active member of USQPGECR.

Title: Modern Slavery Risks Disclosures in Business Operations and Supply Chains

Abstract: This research aims to develop a set of specific modern slavery disclosure principles for the organisations by critically evaluating the seven forms of legislation from five different countries and thirteen authoritative international instruments from international organisations. Recently, Australia, the United Kingdom and France passed the acts for entities with a specific turnover threshold to publish a publicly available annual statement to prevent the prevalence of modern slavery practices. This research builds on an in-depth exploration of the role of overseas and domestic legislation, and policies on modern slavery practices to promote and deliver an exemplar of best practice for the eligible entities. Based on the content analysis technique of twenty documents, this study extracts eight broad specific modern slavery related disclosure principles with 39 disclosure items. This research findings will assist practitioners seeking to discover and disclose evidence of modern slavery practices to encourage the minimisation of this unethical and illegal practice in domestic and global supply chains and operations. The findings contribute to satisfy public demand for improved accountability and transparency and ensure the human rights of vulnerable workers. This research provides an insight to attain UN Sustainable Development Goals Target 8.7 (Eradication of Modern Slavery) by 2030. In future, collaboration with other researchers in the area Modern Slavery disclosures will provide better understanding of this problem and would be a source of potential information.
28.

**Presenter:** Leonie Sherwin  
**Position:** Manager, Research Support Team, USQ Library Services  
**Research Area:** Multidisciplinary  
**Personal fact:** I always feel as though I am "betwixt and between" my comings and goings!

**Title:** The 3 Cs – Connecting, Collaborating and Coronavirus!

**Abstract:** “...we are betwixt and between the familiar and the completely unknown. There alone is our old world left behind, while we are not yet sure of the new existence” (Rohr, 2016). This liminal space is currently occurring on a global level but is reflective of where a researcher goes as they begin navigating the paths on their research journey. As with any journey, we may not always understand the twists and turns the paths take, but connecting with others we encounter along the way can aid in our transition and transformation. This latter aspect is the USQ Library Research Support Team’s (RST) purpose. The RST is a small team formed in 2016 providing support from the Library throughout the research journey for USQ staff and HDRs. Through connections and collaborations, RST has continued throughout the pandemic to guide USQ researchers on publication planning, information and data management, academic writing, thesis development, project management, researcher profiles, complex literature reviews and effective searching. We work in a liminal space and guide others in the transformations that can occur during their research journey. This session provides an overview of the RST and how we connect with our researchers.

References


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Session 5 – STREAM 2

29.

**Presenter:** Vanessa Corunna, Robyn Heckenberg, Lynette Malard  
**Position:** Indigenous studies  
**Research Area:** Caring for Country, Health, Indigenous Education, Noongar, Wiradjuri  
**Personal fact:** Vanessa Corunna is a Noongar researcher and healer; researching Black Adder Creek part of the Swan River Catchment and also teaches Indigenous Research Methodology. Robyn Heckenberg is Wiradjuri and researches connection to Country, particularly river story through visual text. Lynette Malard is from Kimberley, and is Nykina and Noongar. She has been teaching residential students research project evaluation methods for many years.

**Title:** A Critical Thesis for Indigenous Research

**Abstract:** This paper discusses a philosophy within Indigenous standpoint theory developed and implemented at the Centre for Aboriginal Studies (CAS), Curtin University, WA. This model, Aboriginal Terms of Reference (ATR) (Oxenham, 1999) guides the way CAS constructs dialogue, and encourages an interpretation of ontological data locating our narratives of us, ourselves, as Sovereign people on Country. Within this paradigm we work in our own way with Indigenous knowledge systems. As part of Aboriginal ways of working, teaching, and informing Indigenous research methodology, the model includes every aspect of our ways of being. Our perspectives sit squarely with social justice, equality for our people, and duty of care to land, sea and waters. Powerfully we speak for ourselves. Concepts of self-determination take on integrated meanings of Indigenous Intellectual Property Rights, ways of incorporating ethical protocols in research modules and Indigenous research protocols with the Aboriginal Terms of Reference framework. Our relationships at CAS foster not only an ongoing critical thesis of our actions regarding teaching and researching in this space, but also the disposition for collaboration in experiencing our best-selves as agents for social change and voices of Indigenous reason. We want to share our story.

30.

**Presenter:** Deborah Mulligan  
**Position:** Casual  
**Research Area:** gerontology, grief studies  
**Personal fact:** Deborah Mulligan sees the world in terms of tables and flow charts. She never knew this until she started a PhD.

**Title:** Dr Death: Emotional Collaborations and the Power of Belief
Abstract: Collaborative endeavours, particularly in the context of thesis production, are highly complex. This presentation represents a personalised narrative account of a PhD candidate in transition from a traumatised and fractured personality to a more confident and competent higher degree student. Through an insider’s vantage point, I chronicle my journey to thesis completion and reflect on the impact of the power of belief in an emotional world where trust in humanity was extinguished and gradually reignited through collaborative interaction. “Beliefs create the maps that guide us toward our goals and give us the power to take action” (Robbins, n.d.). Belief is a powerful force behind self-efficacy and self-esteem. Articles around the impact of belief in self and our ability to progress our scholarly undertakings abound in doctoral literature. Lack of a positive self-identity skews our internal map of reality and it becomes a wild geography of self-doubt and self-loathing. This is all the more dislocating when the individual comes from a place of trauma. Positive collaborations with supervisors and other university staff, fellow candidates, fieldwork participants and family are an integral element in the success of completion. Fulfilling relationships provide agency and authority for self-determination and educational growth.

31.
Presenter: J Aleta R Villanueva
Position: Assistant Professor
Research Area: Education
Personal fact: I LOVE Old Gold Old Jamaica Rum and Raisin.

Title: Research Journey v.2.0: Ingress to Egress

Abstract: After a failed flap-bounding flight in my former university, I dared to pursue my research journey v.2.0 in a new landscape. My ingress into an Australian university as an international student proved to be a worthwhile risk. Like a “Maya” or tree sparrow with adaptable behaviour and foraging skills, I directed my independent research study with my research supervisors on the lookout. As I flapped and glided, I learned an undulating flight pattern from a research support team, fellow higher degree research students, and an online support group empathically flocking with me. This presentation seeks to narrate key events and significant experiences as an HDR student at USQ. Findings revealed concrete actions to navigate the dissertation writing phases of my journey, and through a combination of online and offline research supervision and support activities. Through the Community of Inquiry framework, I examined outcomes of my educational experiences grounded on trust, mutual respect, and shared goals of student success as I collaborated with significant others. As I egress, I take with me great memories, ideas and loads of positivity to define my networks and ideate potential collaborative projects.

Session 6 – STREAM 1

32.
Presenter: Kerrie-Anne Hammermeister
Position: HDR student Masters of Business Research
Research Area: Non government organisations (NGOs) and funding

Title: Collaborating with researchers: offering insights from my chicken project to discover my epistemology, ontology, and axiology.

Abstract: This presentation makes a contribution to methodological approaches by linking theoretical frameworks and methodological considerations. Applying a theoretical framework to an everyday situation can assist in identifying our epistemology. I share a narrative account of the journey to understand my own epistemology, ontology and axiology within the context of methodological practice. For me this was a journey, a personal discovery within my real life situation and where I could make connections between epistemology and methodology. Taking a real life experience and a case study approach to solve a personal challenge, I used my home project of integrating new chickens into an existing flock. This presentation as a research collaboration, highlights how I unlocked my personal epistemology through critical reflection using a series of questions to discover my axiology which impacted and changed my ontological practice. In conclusion it draws together how my thinking changed overtime and identifies the personal transformation of assumptions from a modern to postmodern perspective.

33.
**Presenter:** Dennis Walker  
**Position:** Lecturer (paramedicine) and PhD student  
**Research Area:** Paramedicine (medication safety)  
**Personal fact:** Still working on road as a paramedic after 26 years

**Title:** Factors influencing medication errors in the pre-hospital environment – an innovative methodological approach

**Abstract:** Background: Medication errors represent a significant issue in terms of patient safety. While there is a significant body of evidence regarding medication errors in the hospital environment (in nursing, anaesthetics and pharmacy), there is currently limited research on medication errors in the pre-hospital environment or by paramedics. Research Aims: The proposed research will seek to address this issue by identifying actual and potential causes of medication errors and establishing the unique context of medication safety within the prehospital environment. Methodology: The initial phase of the research involves a systematic review of the literature. This will seek to establish the context of medication errors and medication safety within the existing literature in order to inform subsequent stages of the mixed method research. The systematic review methodology is atypical but innovative, following the Joanna Briggs Institute Convergent Integrated Mixed Method approach. As literature on the topic of paramedic medication error is both limited and diverse in nature, the mixed method approach allows aggregation and synthesis of outcomes from a wide variety of literature inclusive of both quantitative, qualitative sources. As the outcomes of interest are qualitative, it also involves conversion of quantitative data into qualitative data for analysis and synthesis.

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**Session 6 – STREAM 2**

34.  
**Presenter:** Vicki Cecilia Dallinger  
**Position:** Master of Psychology/PhD (Clinical Psychology)  
**Research Area:** Personal Recovery for adolescents

**Title:** Promoting personal recovery in adolescents with mental health concerns: The development and evaluation of an online recovery college.

**Abstract:** There are growing concerns for the mental health of youth in Australia. Mental health difficulties place a large burden on youth and their families. Adolescent mental health services are increasingly looking to deliver services that move beyond symptom reduction and crisis management, to focus on personal recovery - improving functioning, wellbeing, and quality of life. Recovery Colleges are a co-designed, psychoeducation intervention that has been found to promote recovery. The emphasis on co-production, co-delivery, and co-participation with service users, carers, and professionals provides a joint learning environment supporting mental health. Despite promising results amongst adults, research on recovery and the use of recovery colleges for adolescents with mental health concerns is in its infancy. Given the promise of internet-based mental health interventions for youth, the present program of research aims to use a participatory design methodology to develop a pilot online recovery college for adolescents.

35.  
**Presenter:** Dushanthi M Wanninayake  
**Position:** PhD  
**Research Area:** Chemical Engineering - Water treatment technologies  
**Personal fact:** Passion to protect environment for safe and sustainable living

**Title:** A study of PFOA destruction using Combined Ultrasonication (US) and Advanced Oxidation Processes (AOP) involving Ozone (O3) - (US/O3 system).

**Abstract:** Development of an effective water treatment methodology for Poly- and perfluoroalkyl substances (PFASs) is highly challenging due to their unique physical and chemicals properties, and extremely low health and environmental regulatory standards are established due to toxicological effects, bioaccumulation and highly persistent. Although, conventional water treatment processes are ineffective for PFAS, there are some effective techniques, could only separate PFASs either from liquid to solid or concentrate. Their inability to eliminate PFASs from the environment is a major drawback. However, advanced destruction techniques involve predominantly high cost due to high energy use, high capital and/or operational costs. Despite the laboratory scale experiments are promising for PFASs remediation, large-scale field applications have limitations due to various unknown PFASs and their precursors with unique properties and varying water quality parameters. This laboratory scale study involves ultrasonication with ozone; is low cost, less environmental impacts, no toxic by-
products. Results obtained from 20 kHz frequency ultrasonication in 2 hour experiments, without O3 and with O3 suggested, there is a 5% degradation of 10 mg/L PFOA in deionised water, based on measured Fluoride by Dionex ICS-2000. No apparent increase in PFOA degradation in US/O3 system however, further study is needed in making solid conclusions and system optimisation. This research was supported by the Symbio Laboratory providing quantitative and qualitative analysis of PFAS using their state-of-the-art, high-end analytical instruments as part of collaboration.

Acknowledgement: I wish to thankful to Dr Les Bowell for his contribution as a supervisor to my research project. I also wish to thankful to Symbio Laboratory in Brisbane for their collaboration and providing in-kind support for qualitative and quantitative analysis of PFASs using LCMS/MS and HR-LCMS available at their state-of-the-art analytical facility in Brisbane.