



Charles Sturt
University

Regional Work and Organisational
Resilience Sturt Group presents

**Implications of Climate
Change for Regional Work
and Organisational Resilience
Symposium 2022**

Tuesday 6 September 2022
Charles Sturt University
Convention Centre, Wagga Wagga

Agenda

Time	Presenter	Topic
9.00am	Registrations open and coffee/tea	
9.30am	Professor Rod Pope Charles Sturt University	Opening
9.35am	Aunty Cheryl Penrith	Welcome to Country
9.45am	Dr Joe McGirr Member of the Legislative Assembly, Member for Wagga Wagga	Riverina climate action
9.50am	Dr Matt Brearley Thermal Hyperformance Pty Ltd and Charles Sturt University Adjunct Research Associate	Overview of current/emerging concerns for industry around the impact of climate change.
10.05am	Associate Professor Andrew Hall Charles Sturt University	Keynote Climate change impacts on workability across regional Australia.
10.50am	Break - Morning tea	
11.15am	Dr Matt Brearley Thermal Hyperformance Pty Ltd and Charles Sturt University Adjunct Research Associate Dr Rachel Berry University of New South Wales	Observed human body cooling rates in different ambient conditions and contexts, and implications for workplace health, safety, and productivity.
11.30am	Dr Andrew Hunt Queensland University of Technology	Climate change effects on workers' heat strain and injury risk.
11.45am	Dr Marilyn Chrichton Charles Sturt University Dr Fredrik Velander Charles Sturt University	Climate change running parallel to mental health and working in the bush.
12.00pm	Associate Professor Maree Bernoth Charles Sturt University Dr Elyce Green Charles Sturt University	Ageing and climate change; implications for rural care and service provision.
12.15pm	Professor Frank Marino Charles Sturt University	Why did we choose 37°C for our core body temperature balance point and what does this mean when considering our changing climate?
12.30pm	Lunch	
1.30pm	Round table group work	Workshops
2.30pm	Professor Rod Pope Charles Sturt University	Interactive panel discussions (with afternoon tea).
4.00pm	Wrap up	
4.30pm	Close	

Welcome to the Implications of Climate Change for Regional Work and Organisational Resilience Symposium 2022.

Hosted by the Charles Sturt University Regional Work and Organisational Resilience Group (RWOR), the Symposium will provide an up-close and practical look at our changing climate and its implications.

We'll hear from industry experts and key researchers about how our climate is changing and what that means for regional work.

Our Speakers



Professor Rod Pope

Professor in Physiotherapy, School of Allied Health, Exercise and Sports Sciences, Faculty of Science and Health Charles Sturt University

Dr Rod Pope currently serves as Professor of Physiotherapy at the Charles Sturt Albury campus. Over the last 34 years, he has worked and researched in a wide range of settings, including public and private health care, aged care, sports, defence, veterans' health, emergency services, and higher education.

The majority of his career has been spent in regional and rural locations, and he has had a particular focus on occupational health and injury risk management in military and emergency services populations.



Aunt Cheryl Penrith

Aunt Cheryl Penrith is a Wiradjuri woman. Her passions include building safe, sustainable and healthy communities, family, cultural empowerment, community health and wellbeing, and involvement in decision making. She is also passionate about the revival and reinvigoration of cultural practices such as language, possum skin cloak-making workshops and women's cultural business.

Aunt Cheryl is a creative who is interested in fashion, styling up and upcycling. She connects people to opportunities and is interested in designing a different future for us all.



Dr Matt Brearley

Managing Director, Thermal Hyperperformance Pty Ltd
Adjunct Research Associate
Charles Sturt University

Dr Matt Brearley is a former Exercise Scientist of the Year, holds a PhD in Thermal Physiology and has contributed to over 50 published papers and book chapters.

He commenced his career in elite sports settings at the National Heat Training and Acclimatisation Centre in Darwin. He was the heat specialist for the Australian team in the lead-up, and during the 2008 Olympic Games in China, after which he specialised in occupational heat stress in 2010.

Associate Professor Andrew Hall

Associate Professor of Geospatial Science Principal Research Fellow, Gulbali Institute Charles Sturt University

Dr Andrew Hall is an earth scientist with specialist knowledge in climatology and remote sensing. He is recognised internationally for pioneering work in high-resolution vegetation remote sensing and plant phenology responses to climate change and variability.

Prior to his current role, Andrew drove the development of courses in geospatial science and climatology with a focus on postgraduate education. He was associate and then acting director of the Institute for Land, Water and Society from 2017 to 2021. There, he led a research support culture that delivered a three-fold increase in externally funded research expenditure.

Andrew is an integral member of large environmental science research teams. He is currently a principal research fellow in Charles Sturt's Water Research Team, conducting geospatial research to maximise ecological benefits from environmental water.



Dr Rachel Berry

Lecturer in Human Anatomy, University of New South Wales

Dr Rachel Berry is a Lecturer in Human Anatomy at the University of New South Wales, where she teaches medicine, medical sciences, and exercise physiology programs. Rachel received her PhD in bioengineering from the University of Auckland.

Rachel is part of several collaborative research groups, including a team investigating human body cooling rates and their implications for workplace health, safety and productivity. Another is exploring methods to build a more resilient university learning community.

Rachel's background is in forensic anthropology and forensic human identification. She is currently working with researchers from the University of Zurich and University of Newcastle to improve forensic scientists' understanding of taphonomic processes by utilising time-lapse imaging to record human decomposition.





Dr Andrew Hunt

School of Biomedical Sciences, Faculty of Health
Queensland University of Technology

Dr Andrew Hunt's research focuses on health and performance in extreme environments.

Dr Hunt completed his PhD at the Queensland University of Technology (QUT), investigating the heat strain experienced by surface mine workers. He then commenced as a thermal physiologist for the Defence Science and Technology Group. In this role, he conducted research to enhance performance through the vast array of environments to which military personnel may be exposed.

He is currently the project manager of the Performance Patch project at QUT, which aims to identify and monitor biomarkers of stress: heat, exercise, psychosocial and sleep.



Dr Merrilyn Crichton

School of Social Work and Arts, Faculty of Arts and Education
Charles Sturt University

Dr Merrilyn Crichton completed her Bachelor of Social Science (Sociology), Honours in Sociology and PhD at Queensland University of Technology (QUT).

Dr Crichton has conducted research into rural and regional eMental Health, rural and regional disability mobility. She has recently begun to conduct research into the links between rural and regional well-being and the environment, especially drought and water governance.

Her teaching and research focus is in the areas of social inequality and rural community sustainability/development.



Dr Fredrik Velander

School of Social Work and Arts, Faculty of Arts and Education
Charles Sturt University

Dr Fredrik Velander has a Bachelor of Science in Social Work from Mid Sweden University and a PhD from Curtin University of Technology. After graduation, he worked for 8 years as a research assistant for the National Institute for Working Life in Sweden where he conducted work in the fields of health promotion, organisational development, professional development, and alcohol and other drug policies.

In 2005 he joined the National Drug Research Institute at Curtin University as project coordinator for a community development project in rural Western Australia. Within the scope of that project, he worked with community assessment, social marketing for normative change, focus groups and community interventions to address excessive alcohol use.



Associate Professor Maree Bernoth

Associate Professor, Charles Sturt University

Associate Professor Maree Bernoth has extensive experience as a clinician, researcher, and educator in ageing and aged care. Her advocacy to raise issues related to the quality of care in residential aged care has spanned sixteen years.

To expand her engagement with the sector she supervised HDR students, edited an award-winning text and developed a website to support the teaching of ageing. She is also heavily engaged in her community, as the Chair of the Murrumbidgee Aged Care Consortium, a member of the NSWNA Aged Care Reference Group and a member of Standards Australia Ageing Societies Committee.



Dr Elyce Green

Senior Lecturer, Charles Sturt University

Dr Elyce Green is a Senior Lecturer in Rural Health and the Rural Health Education Lead at Three Rivers Department of Rural Health, Charles Sturt University.

She has worked as a nurse across rural Australia for 14 years and for the past 10 years has been conducting research focused on rural health, rural workforce and work-integrated learning in rural areas. Elyce is also passionate about working with older people to explore and improve their experiences of ageing.



Professor Frank Marino

Professor of Exercise Science, School of Allied Health, Exercise and Sports Sciences, Faculty of Science and Health
Charles Sturt University

Dr Frank Marino is a Professor of Applied Physiology in the School of Allied Health, Exercise & Sports Science at Charles Sturt University. He holds both a Doctor of Science and a PhD and has published over 120 peer-reviewed papers. He has also recently published a book on Human Fatigue: Evolution, Health and Performance.

His main area of research is human thermoregulation and fatigue. He has over 7400 citations and an H-Index of 50 and is on the editorial boards of several international journals. Frank has also held positions of Head of School, Associate Dean-Research and Director of Research. His current research on heat, hydration and postural sway is funded by the Memorial Spitfire Fellowship.





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