

Sessions and workshops

Any further changes to speakers or session and workshop titles will be advised to conference participants the week before the conference.

S 1 (4): Working from the Ground Up: Doing difference in collaborative research in Northern Australia

Wednesday: 11.00-13.00

67.102

Chair: Michaela Spencer

- ‘Doing Incommensurability, not interdisciplinarity: Cross-cultural management of freshwater on Milingimbi Island’ (Yasunori Hayashi with George Milaypuma and Leonard Bawayju)
 - ‘How to do the work of working together: Theorising situations of radical difference to mobilise multiple knowledge systems’ (Jennifer Macdonald)
 - Our work in in-between spaces: Paying close attention to the stories we tell ourselves and others (Greg Williams)
 - Ground up methods (Matthew Campbell)
-

S 2 (4): Language, paradigms and the origins of science and medicine

Wednesday: 11.00-13.00

67.104

- The nineteenth century astronomical lantern set and the visual communication of popular science in Australia (Martin Bush)
 - Reclaiming the origin of science for science communication and science studies (Lindy Orthia)
 - What can the autism epidemic teach us about paradigm shifts (or lack thereof) in science and medicine? (Toby Rogers)
 - Thomas S. Kuhn and the linguistic turn in the philosophy of science (Rey Tiquia)
-

W 1 HPS/STS Postgraduate Workshop

Coordinator: Steven Kambouris

Wednesday: 14.00-15.30

67.102

Session 1: Research Communities within the HPS/STS Umbrella

- Dr Rachael Brown, Australian National University
- Assoc Prof Richard Hindmarsh, Griffith University

AAHPSSS 2017 CONFERENCE - UNIVERSITY OF WOLLONGONG
22-24 November 2017

- Dr Nicola Marks, University of Wollongong
- Dr Rey Tiquia, University of Melbourne

Wednesday: 15.45-17.15

67.102

Session 2: After completion: Careers, Funding and Publication

- Dr Mike Arnold, The University of Melbourne
 - Dr Rachael Brown, Australian National University
 - Dr Rod Buchanan, The University of Melbourne
 - Dr Gerhard Wiesenfeldt, The University of Melbourne
-

S 3 (3): Author meets critics: Alan Chalmers' *One Hundred Years of Pressure: Hydrostatics from Stevin to Newton*

Wednesday: 14.00-15.30

67.104

Chair: Luciano Boschiero

- Alan Chalmers, Introduction
 - John Schuster, Commentary
 - Gerhard Wiesenfeldt, Commentary
 - Peter Anstey, Commentary
-

S 4 (3): Post-truth, science and technology

Wednesday: 15.45-17.15

67.104

Chair: David Mercer

- Post-truth, hyper-guardianship, and climate change (Darrin Durant)
 - Destabilising anti-conservation positions in the post-truth era (Rachel Morgain)
 - Trust, truth and legitimacy in the early 21st century (Adam Lucas)
-

S 5 (4): Early modern mechanics and natural philosophy

Thursday: 9.00-11.00

67.104

- The bird, the poem and the apparel (Alan Salter)
- Machines, motion and the Académie des Sciences (1666–1687) (Luciano Boschiero)
- Newton's hydrostatics (Alan Chalmers)
- The laws of collision at the Royal Society, 1668–9: Case Study No.5 of the Taylor/Schuster model of 'Organizing the Experimental Life at the Early Royal Society' (John A. Schuster)

S 6 (4): Environmental change, governance and activism

Thursday: 9.00-11.00

67.102

- Mapping the road to failure: From the Kyoto Protocol to the Paris Climate Change Agreement and its Impacts on the indigenous peoples of Nunavut (Kayla Slade)
 - Atomic survival: the role of the creative arts in imagining the long nuclear future (Paul Brown)
 - Anti-nuclear politics after Fukushima: Environmental risks and grassroots activism in Tokyo (Alexander Brown)
 - Rethinking the public inquiry on ‘science, technology, development, and environmental change’ in new governance transitions (Richard Hindmarsh and Sara Alidoust)
-

S 7 (4): Reproductive technologies

Thursday: 9.00-11.00

67.203

- Gene editing in the Australian media (Heather Bray)
 - Assisted Reproductive Technology (ART) in Ireland: Continuities and change (Patricia Kennedy)
 - The history of IVF in India (Vasudha Mohanka)
 - IVF in France: a less stratifying experience? (Nicola Marks)
-

S 8 (3): Australian science and industry in the early 20th century

Thursday: 11.30-13.00

67.208

- An Australian industrial revolution? (Ian Wills)
 - Freud in the Antipodes (Robert M. Kaplan)
 - Harold Llewellyn Bassett (1889–1964): did World War 1 spoil this promising chemist’s career? (William Palmer)
-

S 9 (3): Science, policy and the state

Thursday: 11.30-13.00

67.102

- Big Data, Privacy, and the Inference Problem (John Reynolds)
 - Space regulation and policy (Thomas Green)
 - “Identity” and governance in synthetic biology: Ambivalence, norms and counter norms, in the “international genetically engineered machine competition” (iGEM) (David Mercer)
-

S 10 (3): Scientific and technological imaginaries

Thursday: 11.30-13.00

67.203

**AAHPSSS 2017 CONFERENCE - UNIVERSITY OF WOLLONGONG
22-24 November 2017**

- Bachelard's Blue Sky in a new light: energy, materialism and poetics (Douglas Kahn)
 - Beyond orthodoxy and heterodoxy: Rethinking the history of quantum mechanics (Kristian Camilleri - withdrawn)
 - da Vinci and me (Michael Arnold)
-

S 11 (4): Psychology, epistemology and scientific practice

Thursday: 14.00-16.00

67.208

- Using concepts as experimental tools: Mental imagery and hallucinations (Eden Smith)
 - Totally addicted to love (Gemma Lucy Smart)
 - Psycho meets science: Professionals for all seasons, but a profession for none? (Tim Johnson-Newell)
 - The unreasonable effectiveness of scientific method (John Wright)
-

S 12 (3): From the ground up, indigenous knowledge, performance and technology

Thursday: 14.00-16.00

67.102

Coordinator: Georgine Clarsen

- Indigenous knowledges and the aviation industry (Prudence Black)
 - Black as: Performing indigenous difference (Georgine Clarsen)
 - Mining, cinema, indigeneity: Indigenous knowledge and histories of resource extraction in *Where the Green Ants Dream* and *Goldstone* (Adam Gall)
-

S 12 (4): Universities as frontiers of innovation and its eco-system

Thursday: 14.00-16.00

67.203

Coordinator: Venni V. Krishna

- Eco-innovation Fundamentals and University Student Engagement with Business (Sam Garrett-Jones and Belinda Gibbons)
 - Process mechanisms for academic entrepreneurial ecosystems: Insights from a case study in China (Gaofeng Yi)
 - Corporate and university links in advancing basic science: 2004–2014 (Russell Thomson)
 - Universities in the national innovation systems: Asia Pacific diversities (Venni V. Krishna)
-

S 14 (3) The Role of Understanding in Science

Thursday: 16.30-18.00

67.208

**AAHPSSS 2017 CONFERENCE - UNIVERSITY OF WOLLONGONG
22-24 November 2017**

- Toy Models and Understanding (Patrick McGivern)
 - An Exploration of Understanding in Thought Experiments (Jarrah Aubourg)
 - Situated Understanding and the Epistemic Relevance of Diversity (Nicolle Brancazio)
-

S 15 (3): Technoscience as corporate strategy

Thursday: 16.30-18.00

67.102

- A finance model of biomedical research: Insights from military biotechnology (Tatiana Andersen)
 - Parameters of possibility: The corporate construction of smart urbanism (Jathan Sadowski - withdrawn)
 - Marketing addiction: the ethics of designing products to “hook” the user (David Neil)
-

S 16 (3): Science communication

Thursday: 16.30-18.00

67.203

- Should Science Communicators learn from the Yogyakartaans? (Mita Anggaryani)
 - News reporting of scientific understandings of “baby brain” (Natasha Abrahams)
 - Co-construction of multicultural perspectives within science communication: A learning community case study (Sean Perera and Tangyao Zhang)
-

S 17 (3/4) Reproducibility and open science

Friday: 9.00-10.30

67.203

Coordinator: Fiona Fidler

- Is replication necessary in ecology? (Ashley Barnett)
 - Questionable research practices in Ecology and Evolutionary Biology (Hannah Fraser)
 - The replication crisis in science: How do publication bias and low statistical power contribute? (Steven Kambouris)
-

S 18 (3) Constructing and decolonizing Australasian knowledge systems

Friday: 9.00-10.30

67.102

- Not caring like the state (Lisa Slater)
- An Australasian science? Britain, Australia, New Zealand and the making of modern anthropology (Sophie Scott-Brown)
- Evaluation as cosmopolitical work in northern Australia (Michaela Spencer)

S 19 (4): Classifications

Friday: 10.45-12.45

67.203

- Classification by Language? Dutch, Latin and Arabic Mathematics in Leiden after 1600 (Gerhard Wiesenfeldt)
 - Noah's Ark and species (John Wilkins)
 - Captivity histories (Matthew Chrulew)
 - The remarkable Oscar Adolph Oeser: Social psychologist, wartime spy and intelligence analyst (Rod Buchanan)
-

W 2 Bringing dialogue to public engagement in science and technology. A workshop on communicative practices

Friday: 10.45-12.45

67.102

Coordinator: A. Wendy Russell

W 3 Emerging issues in science and technology: conversations between natural science, social science and humanities

(Supported by the Australian Academy of Sciences)

Friday: 13.30-17.30

67.104

Coordinator: Nicola Marks

When did Australia's human history begin?

- Lynette Russell (ARC Professorial Fellow, Director, Faculty of Arts Monash Indigenous Studies Centre, Monash University)
- Bert Roberts (ARC Australian Laureate Fellow, Director, ARC Centre of Excellence for Australian Biodiversity and Heritage, UOW)
- Billy Griffith (DECRA Fellow, Alfred Deakin Institute, Deakin University)

Can precision medicine live up to its promises?

- Declan Kuch (Research Fellow, ARC Centre of Excellence in Convergent Bio-Nano Science and Technology, UNSW)
- Angus Johnston (ARC Future Fellow, Monash Institute of Pharmaceutical Sciences, Monash University)

Will it ever be possible for artificial intelligence to do wrong the right way?

- Thomas Birtchnell (Senior Lecturer, Australian Centre for Cultural Environmental Research, UOW)
- Katina Michael (Professor, Decision Systems Laboratory, Centre for Health Initiatives, UOW)