

# THEORY MEETS PRACTICE:

MASTER CLASS IN SCIENCE  
ENGAGEMENT AND POLICY MAKING

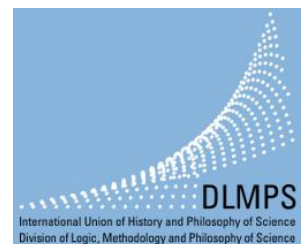
PROGRAM

FRIDAY 5 DECEMBER 2014  
SHINE DOME, CANBERRA



National Committee for  
History and Philosophy of Science

A COMMITTEE OF THE AUSTRALIAN ACADEMY OF SCIENCE



## Housekeeping

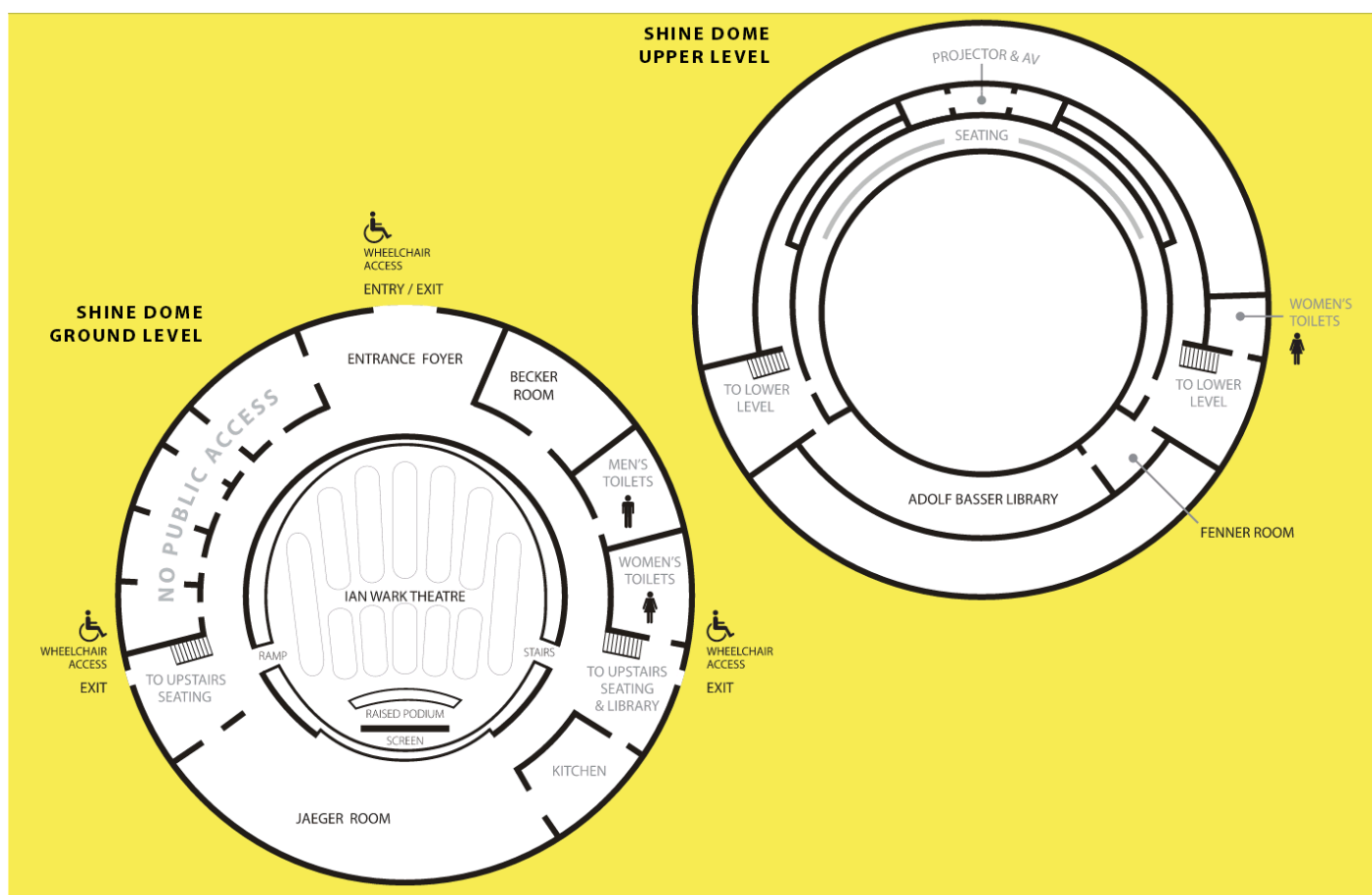
- Dietary** Meals for those with particular dietary requirements are provided and may be found on the catering table closest to the kitchen door in the Jaeger Room.
- Internet access** Wireless internet access is available throughout the Shine Dome. The networks are Shine-01, Shine-02, Shine-03 and Shine-04, a password is not required.
- Live streaming** Livestreaming of the event is available at [www.science.org.au/livestream](http://www.science.org.au/livestream).
- Taxis to airport** A sign-up sheet is located at the registration desk. Please add your name to this list by the end of the lunch break if you require a taxi to the airport at the conclusion of the session.



@Science\_Academy #scimasterclass



Australian Academy of Science



Contact: National Committees Office, [ia@science.org.au](mailto:ia@science.org.au), 02 6201 9456

## About the Master Class

Science plays a vital role in nearly every aspect of our lives, yet across the community and in government, misunderstandings still flourish and support for science is highly variable. This is despite a wealth of evidence about the best ways to engage the public, politicians and policymakers.

This one-day master class with leaders in the field will help you underpin your work with evidence, apply best practice, and bridge the gap between the theory and practice of science communication and policy-making. In each session, a leading scholar will pair with a successful practitioner working at the front line of science engagement to discuss practical approaches, research and future directions.

Convened by Australia's National Committee for History and Philosophy of Science, this workshop is ideal for science policymakers and communicators, scientists and academics working in science policy development and communication.

## The National Committee for History and Philosophy of Science

The National Committee for History and Philosophy of Science (NCHPS) is one of 22 National Committees for Science of the Australian Academy of Science.

The NCHPS works to foster history and philosophy of science and science and technology studies (HPS/STS) in Australia, to link the Academy to Australian HPS/STS researchers and to serve as a link between Australian and overseas HPS/STS researchers, primarily through the International Union for History and Philosophy of Science.

The committee includes active scholars in the field and represents various teaching programs and research centres in Australia, promoting a spirit of cooperation essential for maintaining communication within the HPS/STS community. It is an important point of contact for those engaged in recording, analysing, and publicising excellence in past and present Australian science, and making these results accessible. The NCHPS actively contributes to governmental and policy debates in Australia as well as to maintaining ongoing reviews of the state of the field, and efforts toward its continued growth.

More information on the NCHPS may be found at [www.science.org.au/committee/history-and-philosophy-science](http://www.science.org.au/committee/history-and-philosophy-science).

## Program

|                    |  |
|--------------------|--|
| 10.00              | Welcome and overview   |
|                    | <ul style="list-style-type: none"> <li>Professor Rachel A Ankeny, Chair of the National Committee for History and Philosophy of Science</li> </ul>                     |
| <b>Session one</b> |  |
| 10.10              | Inviting the public into science policy-making   |
|                    | <ul style="list-style-type: none"> <li>Dr Darrin Durant, University of Melbourne</li> <li>Dr Craig Cormick, ThinkOutsideThe</li> </ul>                                 |
| 10.45              | Morning tea, Jaeger Room   |
| 11.00              | Case study: Policies on banking and using Indigenous specimens   |
|                    | <ul style="list-style-type: none"> <li>A/Professor Emma Kowal, Deakin University</li> <li>Mr Jeremy Kenner, Monash University</li> </ul>                               |
| 11.30              | New ways of engaging the public in science   |
|                    | <ul style="list-style-type: none"> <li>Dr Cameron Muir, Australian National University</li> <li>Dr Martha Sear, National Museum of Australia</li> </ul>                |
| 12.00              | General discussion   |
|                    | <ul style="list-style-type: none"> <li>Facilitator: A/Professor Gavan McCarthy, University of Melbourne</li> </ul>   |
| 12.45              | Lunch, Jaeger Room   |
| <b>Session two</b> |  |
| 1.30               | Science, food and labelling  |
|                    | <ul style="list-style-type: none"> <li>Dr Heather Bray, University of Adelaide</li> <li>Dr Trevor Webb, Food Standards Australia and New Zealand</li> </ul>            |
| 2.00               | Communicating climate change   |
|                    | <ul style="list-style-type: none"> <li>Dr Will Grant, Australian National University</li> <li>Mr Ketan Joshi, Infigen Australia</li> </ul>                             |
| 2.30               | Afternoon tea, Jaeger Room   |
| 3.00               | Big data and open science  |
|                    | <ul style="list-style-type: none"> <li>Professor Rachel A Ankeny, University of Adelaide</li> <li>A/Professor Gavin Huttley, Australian National University</li> </ul> |
| 3.30-4.00          | General discussion and wrap-up   |
|                    | <ul style="list-style-type: none"> <li>Facilitator: A/Professor Joan Leach, University of Queensland</li> </ul>  |

## Facilitators



### **Associate Professor Joan Leach, University of Queensland**

Joan Leach (BA hons, BSc, MA, PhD) convenes the Science Communication Program at the University of Queensland and is Associate Professor of Rhetoric in the School of English, Media Studies and Art History. Her research centres on public engagement with science, medicine and technology and she has been active in the Australian government's recent initiatives toward "Inspiring Australia." She is currently researching the role of popular science in the globalization of science since the 1960s, a project funded by the Australian Research Council.

She has published extensively about science communication, including a 2012 book *Rhetorical Questions of Health and Medicine*, and was editor of the International journal, *Social Epistemology* from 1997-2010 and is now an executive editor at the journal. She held academic posts at the University of Pittsburgh (USA) and Imperial College London before moving to Brisbane in 2005. Joan has won numerous academic awards for her research and community engagement, including being a Science Journalism Laureate at Purdue University (USA). She is currently President of the Australian Science Communicators.



### **Associate Professor Gavan McCarthy, University of Melbourne**

Gavan McCarthy has worked at the University of Melbourne in and around archives since 1978. In 2007, he was appointed Director of the eScholarship Research Centre in the University Library and in 2013 was appointed Associate Professor. He was Director of the Australian Science and Technology Heritage Centre (1999-2006) and led the Australian Science Archives Project (1985-1999), both in the Department of History and Philosophy of Science, Faculty of Arts, University of Melbourne. His research, predominantly based on action research

methodologies, covers the history and archives of Australian science, contextual information frameworks, archival science and the preservation of knowledge, and the utilisation of network science in social and cultural informatics.

For more details go to: [Encyclopedia of Australian Science - Gavan McCarthy Biography page](#).

## Inviting the public into science policy-making



**Dr Darrin Durant**, Historical and Philosophical Studies, University of Melbourne

*Public Engagement with Science as Tension Maintenance?*

*There are many social science models of how experts and citizens can better engage come policymaking time, but do we aim for resolving too many tensions and miss the benefits of keeping some tensions alive?*

Dr. Durant lectures on social studies of science and science policy, in the unit for History and Philosophy of Science, School of Historical and Philosophical Studies, the University of Melbourne. Dr. Durant has published widely on debates about the role of experts and publics in modern liberal democracies, while also investigating energy

politics, from nuclear power to climate change.

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**Associate Professor Gavin Huttley**, College of Medicine, Biology and Environment, Australian National University

Associate Professor Gavin Huttley is head of the Computational Genomics laboratory in the John Curtin School of Medical Research at the Australian National University. He obtained a B.Sc (Hons I) from Macquarie University in Sydney, a PhD in Molecular Population Genetics from the University of California, Riverside and undertook postdoctoral research in the Laboratory of Genomic Diversity, National Cancer Institute (USA). He is a recipient of the Howard Florey Young Investigator award. Associate Professor Huttley's research is focussed on genome decryption — identifying regions of

the genome which encode functions that influence susceptibility to disease — through analysis of genetic variation.

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