

Contemporary Approaches to Research in Mathematics, Science, Health and Environmental Education

27 – 28 November 2014

Deakin University

Melbourne City Centre

Level 3, 550 Bourke St Melbourne

Sponsored by the Centre for Research in Educational Futures and Innovation in conjunction with the STEME Research Group

The symposium will focus on practical and theoretical aspects of research methodology. It follows the highly successful symposia held annually from 1993 to 2005 and again from 2010 to 2013, in which methodological techniques and issues – such as socio-cultural perspectives, productive use of quantitative data, collaborative practitioner research designs, and analysing discourse – have been discussed in a lively, informal setting.

It is expected that academic researchers and higher degree research students will gain from the symposium. Please encourage your higher degree students to come even if you cannot attend.

Expression of Interest: Presentations

The closing date for expression of interest is Friday 5 September 2014.

Presentations at the symposium will be grouped into sessions of four to five presentations designed to promote focused discussion of a methodological issue. The methodological issues should be broadly related to mathematics, science, health and environmental education. Each session will provide the opportunity for extended discussion of methodological issues – theoretical framing, design, instruments and their application, or approaches to analysis - following a number of brief, themed presentations. There is an equal time devoted to discussion as to presentations.

Each of the two days will feature a keynote speaker introducing a methodological perspective.

Presentations will be of 10-15 minutes duration. Each presentation should briefly outline the research question being addressed and finish with the findings or likely outcomes of the research, but should focus mainly on the research methodology. Reports on work in progress are welcome.

If you are interested in presenting at this symposium please register your expression of interest on the [Re-Imagining Futures in STEME](#) website which provides full details and template.

Presenters will be asked to submit a short written paper of about 3 to 5 pages for online publication in the symposium proceedings.

Keynote Speakers



Professor Laurence Simonneaux

Professor of Agronomy and Science Education
University of Toulouse

Professor Laurence Simonneaux is a professor of agronomy and science education since 2001 at Ecole Nationale de Formation Agronomique (University of Toulouse). She has participated in several European research projects on biotechnology education. She has led French projects on Socially Acute Questions education – the French framework for SocioScientific Education, and participates currently to two major European projects. She leads a research team on science education. She has coordinated five books dealing with discussions, debate, argumentation, reasoning and the teaching of Socially Acute Questions. This presentation draws on the methodological lessons learned across these studies.



Professor Trevor Gale

Chair in Education Policy and Social Justice
Deakin University

Professor Trevor Gale brings a sociological imagination to his research, seeking out connections between the ‘public issues’ and ‘private troubles’ of education policy and practice. His critical approach is distinguishable by its (i) *political commitments* – with interests in who benefits and who doesn’t by particular social arrangements, and what can/should be done about these – and by its (ii) *dialectic method*: a generative regard for apparent tensions between theoretical and methodological oppositions such as theory/practice, structure/agency, objectivity/subjectivity and time/place. He is a prolific researcher, widely published and funded, including two current ARCs.

Program

Thursday 27 November		Friday 28 November	
9:00	Registration	8:30	Registration
9:30	Professor Laurence Simonneaux <i>Socially Acute Questions and Socio-Scientific Issues: Methodological aspects to analyse discussions, perception of risks and reasoning</i>	9:00	Professor Trevor Gale <i>Being critical, thinking sociologically. Where’s the method in that?</i>
10:30	Morning tea	10:00	Morning Tea
10:50	Session 1	10:20	Session 4
12:30	Lunch	12:10	Lunch
1:30	Sessions 2, 3	1:00	Sessions 5, 6
5:00	Sessions end	4:45	Closing session
6:00	Dinner	5:00	Symposium ends

Registration

To register for this symposium please click [here](#). The fee includes morning and afternoon tea, and lunch.

Full registration \$100
Students not in full-time employment \$ 60

For full details see the [Re-Imagining Futures in STEME](#) website.

For enquiries please email: lisa.angelini@deakin.edu.au