

APSTS Network News

Members Newsletter: October 2012

FROM THE CONVENOR – Emma Kowal



Welcome to the October newsletter! It has been a busy time for the new Steering Committee. We have been working behind the scenes on new initiatives to build the Network over the next two years. First, the Singapore representative on the Steering Committee, Jerome Whittington, will be the co-convenor of APSTSN for the next two years. His work focuses on climate change and green energy development as sites for exploring human futures and he is enthusiastic about further strengthening STS across the region. As you would have seen, Jerome and his colleagues at the National University of Singapore have made great progress with the next **Biennial APSTSN Conference: *Knowing, Making, Governing*** to be held on **July 15th-17th 2013**. Abstracts will open on December 1st and close on January 7th. Check out the [conference website](#) for more information.

For those of you heading to Copenhagen shortly for the 4S conference, please come along to the **APSTSN Lunch on Friday, 19th October 12.30-2pm in Room SP114** hosted by Taiwan Steering Committee representative Wenling Hong and Indigenous representative Mahina Baker. There are over 70 papers at the conference that focus on the Asia-Pacific region and we expect this lunch meeting to be a great opportunity to meet other Network members.

I would like to thank Richard Hindmarsh and outgoing Steering Committee members again for their hard work to build the network into a vibrant organisation of over 200 scholars. Richard has written a brief history of the network in the latest *European Association for the Study of Science and Technology Review* that can be found on pages 12-14 of the other document attached. Below you can read the outcomes of an important workshop supported by 4S New Initiatives Program that was held in Aotearoa/New Zealand in February this year. There, 35 network members met to brainstorm ways to develop the Network into the future. The Steering Committee is developing some of them and I would be very pleased to hear from any members who are interested in taking any of these ideas further.

Finally, the **new network website** is in progress and should be up soon with our very own domain name. We will also be introducing an APSTSN list-serv that will allow members to directly post items of interest to the network, and a new format for our newsletter.

As you can see, the Steering Committee have got off to a flying start. I look forward to meeting many of you in person at the Network conference next July.

AOTEAROA NEW ZEALAND NEWS

The Ministry of Science and Innovation's Statement of Intent 2012-2015 has recently been published and is available at <http://www.msi.govt.nz/assets/SOI-2012-15.pdf>

As reported in an earlier newsletter, Victoria University of Wellington hosted the Science Policy Studies conference February 8th – 10th 2012. This included the workshop ***Building the Research Capacity of the APSTS Network: Visions for the Future***.

Thirty-five participants attended, who were organised into six breakout groups to consider the following questions: What visions can we suggest for the APSTSN for the next five years? How best can we build research capacity? (e.g. how might we facilitate collaborations and what form of collaborations?) What particular areas of divergence (e.g. in theoretical approaches or empirical focus) exist in the region and how might they contribute to building research capacity?

The Key Themes and Recommendations that emerged in response to the discussion were:

1. Post-graduate and other student support

That core support needs to continue and potentially increase for PhD and other students through mentoring and funding support to attend conferences.

A youth leadership network was also suggested as well as a young indigenous panel.

2. Communications/networking enhancement

This area was prioritised as many STS scholars suffer isolation in their work, with STS being across diverse areas of interest, enhanced by the large regional scale of the APSTSN, and would welcome the ability to talk to other scholars about theory. In addition, the importance of maintaining good relationships with STS scholars in general and other STS networks around the region and internationally was highlighted.

That existing forms of communication, such as the newsletter, communiques, notices to other STS organisations, Convenor profiling and contacts, need to be further developed to provide enhanced opportunities for the Network to build good working relationships and develop further.

In association, new/other forms of APSTSN communication needed to be developed, e.g. existing social media and networks such as LinkedIn and academia.edu.

3. Facilitating collaboration

That the APSTSN has a role through facilitating collaboration amongst its members and with others in translating and facilitating mutual learning amongst the many STS fields and approaches in the Asia-Pacific region.

That the APSTSN has a role through facilitating collaboration amongst its members and with others in challenging existing hierarchical (and colonial) structures that exclude some people (e.g. a focus on English, the dominance on conference presentations in general rather than story-telling). Particular dichotomies/hierarchies to be challenged through collaboration included Indigenous vs. scientific knowledge and epistemologies; STS theories vs. (policy)

practice; Communities vs. scientists

4. Regional representation

That a new push for Pacific members was needed, in following the efforts of the past convenor and SC which had seen many efforts made, but which had not been productive simply because it was difficult to identify Pacific STS scholars.

5. Topic of research

While the strong environmental and Indigenous focus of APSTSN members was noted, and conferences focused on the broad gamut of STS, other areas of STS scholarship should be encouraged to develop more by the APSTSN alongside its strong areas. Diversity needs to be celebrated and promoted so that all fields were given good attention.

The workshop ended with an open forum: the following points were given special attention

The newsletter, on the suggestion of then Convenor Richard Hindmarsh, should be moved from an assumed responsibility of the Convenor to some appointment of an editor/s, or editorial collective. The forum agreed that a call should be issued to the Network.

Because the APSTSN is a non-fee network, it was considered it needed to develop more ways to be clever about how it access money/support. For instance, it was suggested that many countries (e.g. Singapore) are ideally placed geographically to take advantage of visiting scholar stop-overs - they could be invited to give talks en-route (in fact the NUS environment group had already issued invitations, and thus the NUS STS group might be more facilities of this. In addition, more advance notice of events could allow opportunities for cross-funding to be invited by government agencies.

The open discussion also focussed on the tendencies of conferences to use English, making it more difficult for scholars with different first languages to participate fully. It was suggested that avenues for interpreters be considered in future to address this.

The Steering committee would be very interested to hear from members who are interested in contributing to any of these ideas or initiatives. Please contact the convenor, Emma Kowal, at e.kowal@unimelb.edu.au

AUSTRALIA NEWS

History and Philosophy of Science in Australia: Looking Forward – University of Sydney
Stephen Healy and David Mercer

A number of network members were involved in the workshop *History and Philosophy of Science in Australia: Looking Forward* on the 26-28 September at the University of Sydney intended to reinvigorate HPS and cognate areas in Australia. This was sponsored by the Australian Academy of Science via its National Committee for History and Philosophy of Science (HPS), with support from the Sydney Centre for the Foundations of Science at the University of Sydney. David Mercer, a member of both APSTSN and the National Committee organised the themed session "Activism to Expertise: STS in Action", along with Joan Leach

from the University of Queensland, that involved network members David Mercer, Nicola Marks, Richard Hindmarsh and Stephen Healy.

The following papers were delivered (* designates presenter in attendance for joint papers): Gary Edmond (UNSW) and David Mercer *(Wollongong) - 'Expert Topography: SSK, Forensic Science and the Multidisciplinary Advisory Panel'; Rosemary Du Plessis (Canterbury), Richard Hindmarsh* (Griffith), Karen Cronin (ESR Wellington) - 'Acting with Science, Policy and Publics'; Stephen Healy(UNSW) – 'Boundary Activism and the Art of the Trickster: A Politics of Conceit'; Fabien Medvecky (University of Queensland) – 'Valuing the Environment in Conservation Economics: Life or Lumber'; Nicola Marks* (Wollongong) and Wendy Russell (NETS, DIISR) - 'Setting up a an Australian Framework for Best Practice in Public engagement: Reflections on the role of STS', Alan Petersen* (Monash) and Di Bowman -'STS and Australian Science Policy'; and Matthew Kearnes (UNSW) - 'The Surrealistic Economics of Geo-engineering'.

The other major news emerging from this meeting is that Nicola Marks, former holder of the Australian position on the APSTSN Steering Committee, took up the Asian Coordinating position on the Committee of the Australasian Association for the History, Philosophy and Social Studies of Science (AAHPSSS) a broad based group dating from the 1960s encompassing both HPS and STS. It was agreed that Nicola and Stephen Healy would liaise between AAHPSSS and APSTSN, trying to build synergies where possible with a potential for joint future activities if, and when, this might be regarded as beneficial by each organization.

DU PLESSIS, R. HINDMARSH, R., CRONIN, K. (2012) Acting with science, policy and publics, 'Activism to Expertise: STS in Action": presented at the National Committee for History and Philosophy of Science Workshop [STS stream], University of Sydney, 26-28 September 2012 presented by Richard Hindmarsh.

CHINA NEWS

Associate Professor Wei Hong at Tsinghua University, Beijing sent through this summary of a recent STS event in China. The Fourth Conference on Sociology of Science was held at Nankai University, Tianjin, China on Sep. 22-23th. The first and second conferences on the Sociology of Science were held in 1986 and 1992 respectively, when Chinese scholars were enthusiastic about studying Mertonian sociology of science. Documents on the third conference, however, are missing. Studies on of sociology of science also significantly decreased in the period of 1995-1999. Since 2000, this area has become a focus of interest again, with STS theories being well accepted as the dominant paradigm. This conference calls for empirical studies on science and technology, in contrast to theoretical studies prevalent in China. After this conference, the organizing committee will continue to make efforts to establish a professional association of sociology of science. A photo from the conference is provided below.



JAPAN NEWS

A special issue with the title "**Re-examining Science Evaluation**" is in progress at the Japanese Journal of the Social Studies of Science and Technology for a forthcoming volume, with Masato Fukushima and Keiichiro Tahara as the guest editors. Their intention is to re-examine the various aspects of evaluation of science in recent years, to question its fundamental assumption as well as the legitimacy of the methods, such as peer review, citation analysis, scientometrics and so forth. STS, among other approaches, has long focused on the various aspects of measurement in science, and the very act of re-examining the methods used to measure science is a reflective approach to apply the STS framework to the tradition of science on science, which in itself is part of the sources of contemporary STS. A variety of articles have been submitted to this special issue, such as Aiko Hibino's, on the history of measurement in psychology, and Masato Fukushima's on scientific misconduct considered as the barometer of organizational accidents in science. A couple of authors will focus on recent trends of the emphasis on the 'science of science policy', to critically re-examine the rather reified notion of "science" in such policy frameworks.

SINGAPORE NEWS

The STS Research Cluster, Faculty of Arts and Social Sciences, National University of Singapore, organised a one-day **STS Symposium on 'Designing for the Anthropocene: Climate, Food, Health'**, held on 21 September 2012. The event brought together researchers, artists and STS scholars from Singapore (NUS, Asia Research Institute, and NTU), Indonesia, Vietnam, Australia, the U.S., and Europe. The concept of the Anthropocene – a proposed label for the current geological period when human activities have begun to reshape evolutionary and geochemical conditions at a planetary scale – was chosen as the theoretical backdrop for an exploration of the complex challenges in managing energy and

other meaningful human-nonhuman exchanges on various scales. Questions that were discussed included the following: How can we rethink our responsibility in the Anthropocene? What does it mean to design for the anthropocene? How does design based on open data and DIY (do-it-yourself) approaches, participatory and critical design methodologies and humanitarian engineering, differ from cybernetic and technocratic dreams of control of complex systems? What is the role of artistic interventions, philosophy of technology, Science, Technology, and Society studies and other disciplines in influencing and reflecting upon these design ambitions and practices? The symposium was also supported by the Dept of Communications and New Media and a number of local groups (Anclab.org, The HUB Singapore and Hackteria.org).

KOREA NEWS

There was a two-day workshop entitled with '**Body and Enhancement Technology**' at Pohang University of Science and Technology, at Pohang city, Korea from 4th to 6th October. This workshop was intended to re-examine the influence of new enhancement technologies on the body in its various aspects, and the workshops were divided into three sessions, which focused on: 1. embodied cognition and perception, such as memory, perception, and IT; 2. the body and biotechnology, regenerative medicine, and so on; 3. aesthetic aspects of body enhancement, represented by cosmetic surgery.

This event was organized by Dr Eunjeong Ma, an active participant of APSTS and she invited various scholars from different backgrounds, such as STS, sociology, anthropology, psychology and philosophy from Korea, Japan, Taiwan and the US. I presented a paper upon how we have used cultural metaphors in the understanding of memory, and how recent metaphors, i.e., computer-database, do not really fit the reality of actual memory practices in our everyday life. The workshop was rich in content and filled with interesting discoveries and insights. The intention is to publish papers in an STS-related journal at some stage.

INDIGENOUS STS

Mahina-a-rangi Baker has joined the 2012-2014 APSTSN Steering Committee as the Indigenous member. Mahina brings many ideas to build Indigenous STS Networks throughout the region, for example, she will convene events for Indigenous scholars at the 2013 APSTSN conference. The Steering Committee would be keen to hear from other Indigenous STS Scholars in the region that would like to assist in building Indigenous STS. Please send any news about work being done by and in partnership with indigenous communities in the Asia Pacific region for our next newsletter.

MEMBER PUBLICATIONS

New Journal Publications

Hindmarsh, R. 'Liberating' social knowledges for water management, and more broadly environmental management, through 'place-change planning', *Local Environment: The International Journal of Justice and Sustainability*, DOI:10.1080/13549839.2012.729564

Hindmarsh, R., 2012. The Asia-Pacific STS Network: Bridging North, South, East, and West, *EASST Review*, 31(3): 12-14. [see: http://easst.net/wp-content/uploads/2012/09/review_2012_09.pdf]

A. Petersen and D. Bowman (2012) 'Engaging whom and for what ends?: Australian stakeholders' constructions of public engagement in relation to nanotechnologies', *Ethics in Science and Environmental Politics*, 12: 67-79.

Presentations

Along with Sally Wyatt and Susan Kelly, Anna Harris recently organised a workshop in Maastricht (The Netherlands), on the growing internet market for personal genomics. Participants travelled from the east and west coasts of North America, across Europe and within The Netherlands to attend the workshop, enriching discussion with local observations and international comparisons about direct-to-consumer genetic testing. The variety of disciplinary backgrounds of participants (science and technology studies; ethics; philosophy; sociology, law; anthropology; and clinical genetics) also facilitated rich, critical discussions from a range of perspectives. The workshop was funded by Universiteitsfonds Limburg/SWOL and the Technology and Science Studies group, Maastricht University. It marked the approaching end of the two-year project, 'Selling genetic tests online: User perspectives on direct-to-consumer psychiatric genetic tests', funded by NWO-ESRC, conducted by Anna, Sally and Susan.

Harris, Anna, Wyatt, Sally, and Kelly, Susan E. (2012), *Autobiologies on YouTube: New contexts for storytelling about genetics*, *Genetics goes online* workshop, Maastricht University, The Netherlands, 12 – 14 September, 2012.

Harris, Anna, Wyatt, Sally, and Kelly, Susan E. (2012) *Active genomes: Examining a participatory turn in genetic research*, *The Co-Production of Knowledge: Social Media, STS and ... Conference*, York, UK, 18-20 July

PhD AWARDS

Anna Harris - Dean's Award for Excellence in a PhD Thesis, Faculty of Medicine, University of Melbourne. There is a short report on it here:

http://sph.unimelb.edu.au/research/our_research_at_work/hurdles_and_hardships_of_overseas_doctors

APPOINTMENTS

Catherine Waldby has sent in details of three recent appointments in the STS field at the University of Sydney:

Miranda Johnson

Postdoctoral Research Fellow, Race and Ethnicity in the Global South

Dr Johnson received her PhD in History from the University of Chicago in 2008. She has previously worked at the University of Michigan and the University of Wisconsin—Madison. Dr Johnson's current project, tentatively entitled, "Indigenous racial modernities," will examine how indigenous intellectuals and activists across the Pacific and North America in the early twentieth century conceived of themselves and others in racial terms and what the contributions and legacies of such conceptions were and are for racial thought and practice.

Ricardo Roque

Postdoctoral Research Fellow, Race and Ethnicity in the Global South

Dr Roque received his Ph.D. in History from the University of Cambridge in 2007 after studying sociology and historical sociology in Lisbon (BA, MA, New University of Lisbon). Dr Roque's project involves researching the history of Portuguese colonial anthropologies in East Timor (<http://www.historyanthropologytimor.org/>), colonial mimesis in Lusophone Asia and Africa (<http://www.colonialmimesis.hypotheses.org/>), and the sciences of 'race-mixing' in the Portuguese-speaking Global South.

Mike Michael

Professor, Department of Sociology and Social Policy

Mike Michael is a sociologist of science and technology. His research interests include the relation of everyday life to technoscience, biotechnological and biomedical innovation and culture, the interface of the material and the social, the public understanding of/engagement with science, animals and society, process methodology. Recent research projects have addressed the complexities of HIV pre-exposure prophylaxis clinical trials (with Marsha Rosengarten), the interdisciplinary use of sociological and speculative design techniques to explore energy demand reduction (with Bill Gaver and Jennifer Gabrys), the ethics of stem cell research (with Claire Williams and Steve Wainwright), and the development of an 'idiotic methodology.'

NEW BOOKS IN THE STS FIELD

Making Disease, Making Citizens: The Politics of Hepatitis C, (2011) Suzanne Fraser and Kate Seear, Monash University, Australia, Ashgate

Since the naming of hepatitis C in 1989, knowledge about the disease has grown exponentially. So too, however, has the stigma with which it is linked. Associated with injecting drug use and tainted blood scandals, hepatitis C inspires fear and blame. *Making Disease, Making Citizens* takes a timely look at the disease, those directly affected by it and its social and cultural implications. Drawing on personal interviews and a range of textual sources, the book presents a scholarly and engaging analysis of a newly identified and highly controversial disease and its relationship to philosophies of health, risk and harm in the West. It maps the social and medical negotiations taking place around the disease, shedding light on the ways these negotiations are also co-producing new selves.

Adopting a feminist science and technology studies approach, this theoretically sophisticated, empirically informed analysis of the social construction of disease and the

philosophy of health will appeal to those with interests in the sociology of health and medicine, health communication and harm reduction, and science and technology studies.

Contents: Introduction: a gathering; Towards a quasispecies epistemology; How disease holds together: hepatitis C and health promotion; Materialising hepatitis C and injecting drug use in self-help literature and beyond; Knowing, doing, hoping: diagnosis and the limits of biological citizenship; From centre to periphery: the ethics and politics of treatment; Conclusion: 'the smoldering and fluctuating course'; Bibliography; Index.

Reviews: 'While HIV has generated a vast body of critical analysis, hepatitis C has been oddly neglected by scholars in the humanities and social sciences. This book invents the new field of critical hep C studies, bringing to bear the creative energies of science studies to show us not only how to understand hep C, but also how to understand disease in the making.' Catherine Waldby, Sydney University, Australia

'This is a provocative, thoughtful and far-reaching work which reveals the complex ontology of hepatitis C and challenges self-evident truths about the virus, those affected by it and its treatment. Making Disease Making Citizens not only provides a sophisticated political analysis of a "disease under construction", it develops an ethical and epistemological framework capable of illuminating other pressing health issues.' Helen Keane, Australian National University, Australia

If you would like to review this new book for the Network, please let us know and we will arrange a reviewer copy for you.

STS-RELATED WEBSITES OF INTEREST

Stem Cell Tourism Research Project

Alan Petersen sent in his recently launched website: <http://artsonline.monash.edu.au/stem-cell-tourism-research-project/>

The Wallace Online Project

The writings and drawings of the 19th century naturalist and co-discoverer of the theory of evolution, Alfred Russel Wallace, are now available online at www.wallace-online.org. The Wallace Online project is based at the National University of Singapore; it took the team, led by Dr John van Wyhe (NUS), three years to transfer the material and make it publicly accessible. The site should be a great resource for HPS and STS scholars interested in the history of evolution and in 19th-century natural history in Southeast Asia.

The East Asian Science, Technology and Society

The East Asian Science, Technology and Society: An International Journal is an English-language regional STS journal based in Taiwan.

<http://easts.dukejournals.org/>

The current September 2012 issue with articles on Neuroethics, and on Science and Nationalism, is here:

<http://east.dukejournals.org/content/current>

UPCOMING EVENTS

APSTSN 2013 – SINGAPORE

The National University of Singapore is pleased to open the Call for Papers for APSTSN Biennial Conference July 15–17 2013.

The Asia-Pacific Science, Technology and Society Network is an association of regional scholars for fostering collaboration and encouraging science, technology and society research, teaching, and critical discussion on current STS themes and issues in the Asia-Pacific region.

Knowing, Making, Governing - across Asia and the Pacific, the work of science, technology and society calls attention to the region's plurality of socio-technical projects and ways of knowing. The conference accepts proposals for all themes pertaining to science, technology and society, including:

Themes

Biosciences	Gender	Modeling and Numbers-work
Business, Finance, & Markets	Indigenous Knowledges	Normativity and Normalization
Care	Information & Media	Publics & Participation
Citizenship & Activism	Inter-Species Relations	Posthumanities
Disaster	Government, Policy & Politics	Risk
Energy	Limits of Knowledge	Theory & Method
Environment & Ecology	Medicine	Food & Agriculture

This conference is jointly organized by the STS Research Cluster of the Asia Research Institute (ARI), the STS Research Cluster of the Faculty of Arts and Social Sciences (FASS), and Tembusu College (at University Town), all at the National University of Singapore (NUS). Support has also been received from the Humanities and Social Science Research Fund at NUS.

Abstract submission will open on December 1, 2012 and the deadline for submitting proposals is January 7, 2013. Accepted participants will be notified in February 2013.

Proposals will be reviewed by the NUS Conference Organizing Committee, with the objective to accept all properly prepared proposals. Please note that Science, Technology and Society (STS) is a broad but distinct inter-disciplinary field pertaining to science, technology and their historical and social implications and conditions of possibility. Check the conference website for further information on submitting abstract, panel and plenary proposals.

See the recently emailed flyer for further distribution and at the end of this newsletter. You can also email jwhittington@nus.edu.sg for a larger file version for printing and display, and for any conference queries.

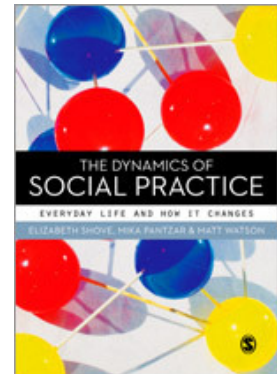
The NUS conference organising committee and the APSTSN look forward to seeing you in Singapore next July 15-17.

Professor Elizabeth Shove: Beyond Behaviour – Social Theory and Climate Change Policy

Beyond Behaviour – Social Theory and Climate Change Policy

Thursday 8 November 2012, 5:30 - 6:30pm

Social Sciences and Humanities Library Conference Room,
Level 1, Duhig Building (No. 2)
St Lucia Campus



ABSTRACT

In this presentation, Professor Shove will outline the pervasive ABC – Attitudes, Behaviour, Choice – model permeating policy making and program delivery, and introduce new theoretical perspectives that reframe the major sustainability challenges of our time. She will provide novel examples of how everyday life is changing, how policy makers are already intervening, and how they might seek to reorient normal ways of life.

In the UK and in other countries too, environmental policy makers are increasingly interested in the potential for mitigating and adapting to the challenges of climate change by persuading people to adopt more environmentally friendly ways of life. Campaigns focusing on individual attitudes, behaviours and choices are much in vogue. One problem is that such initiatives rest on a very limited understanding of how the social world is organised and how it changes. In this presentation Professor Shove will explore other ways of conceptualising the dynamics of daily life and the patterns of consumption that follow. The suggestion that people consume energy, water and other natural resources in the course of accomplishing social practices – for example, showering, commuting, eating, etc. - provides the starting point for a more detailed discussion of how more and less environmentally problematic practices come into being, and how they are carried and reproduced. This begs further questions about how environmental policy influences the dynamics of social practice and about the potential for deliberate intervention at this scale. She will conclude by reflecting on the role and relevance of social theory and the challenges involved in putting ‘practice’ into environmental policy.

BIO

Elizabeth Shove is Professor of Sociology at Lancaster University in England. She is a member of the [Sustainable Practices Research Group](#) and has recently completed a climate change leadership fellowship on “Transitions in Practice: Climate Change and Everyday Life”, both funded by the Economic and Social Research Council. Elizabeth’s publications include *Comfort, Cleanliness and Convenience* (2003), *Infrastructures of Consumption* (2005), *The Design of Everyday Life* (2007), *Time, Consumption and Everyday Life* (2009), *Comfort in a Lower Carbon Society* (2009), and most recently *The Dynamics of Social Practice* (2012). As part of the Transitions in Practice fellowship she produced and directed an ‘*Extraordinary Lecture on how the social sciences can help climate change policy*’ – available as an online film, and an accompanying exhibition of ideas will also be available.

This lecture will be chaired by Professor Gay Hawkins.

Members of the public are invited to attend this free lecture, after which light refreshments will be served.

Enquiries: Rebecca Ralph, Events Co-ordinator
P: (07) 3346 7407 | F: (07) 3365 7184 | E: r.ralph@uq.edu.au



KNOWING, MAKING, GOVERNING

Asia-Pacific Science, Technology and Society Network

Biennial Conference 2013

15-17 July

National University of Singapore

ASIAPAC
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NETWORK

Find out more at bit.ly/APSTSN

Submissions will be accepted online from December 1 until January 7, 2013.

NEWSLETTER SUBMISSIONS

Please send any news items for the next newsletter to: h.robertson@neura.edu.au

APSTSN MEMBERSHIP

As mentioned above the new Network website is under construction and the online membership form on our old website is no longer operational. In the meantime please direct new membership enquiries to Doug Ashwell, Aotearoa/New Zealand representative on the Steering Committee: D.Ashwell@massey.ac.nz

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