

# Dr Garth Paine

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- Web <http://www.activatedspace.com> <http://marcs.uws.edu.au/?q=people/dr-garth-paine>
- **Current Position:**
  - Senior Lecturer in Music Technology,  
Member, MARCS Auditory Laboratories, Director of VIPRE research lab  
University of Western Sydney, NSW, Australia

## Career Summary:

Academic, Composer, Installation Artist, Sound Designer

Dr Garth Paine is particularly fascinated with sound as an exhibitable object. This passion has led to the creation of several interactive responsive environments where the inhabitant generates the sonic landscape through their presence and behaviour. It has also led to a considerable body of work that creates music scores for dance in realtime using video tracking of the choreography. Dr Paine is internationally regarded as an innovator in the field of interactivity in new media arts. His immersive interactive environments have been exhibited throughout Australia, Europe, Japan, USA, Hong Kong and New Zealand. He has been part of the organising and peer review panels for the International Conference On New Interfaces for Musical Expression (NIME) since its inception and invited as guest editor of Organised Sound, a pre-eminent international journal on music technology published by Cambridge University Press. Dr Paine has been awarded the Australia Council for the Arts New Media Arts Fellowship at RMIT University in 2000, and The RMIT Innovation Research Award in 2002 and the University of Western Sydney's Vice-Chancellor's Excellence Award for Postgraduate Research Training and Supervision in 2008. In recent years, Dr Paine's ensemble SynC (<http://www.syncsonics.com>) with Professor Atherton, has performed at the agora festival, Paris (2006), the New York Electronic Arts festival (2007), Liquid Architecture (2007) and the Aurora and Camden Haven music festivals, and The Australian New Music Network concert series (2008). He is a member of the advisory panel for the Electronic Music Foundation, New York and one of 17 advisors to the UNESCO funded Symposium on the Future, a project focused on formulating an evolving set of principles (theory), that describes a taxonomy / design space of electronic musical instruments. Dr Paine also holds a current ARC Linkage grant in this area. Dr Garth Paine was a freelance sound artist for 18 years before becoming lecturer in Music Technology and Innovation at De Montfort University, UK from 2002 to 2003. He was Head of Program - Electronic Arts (2003-2005) at the University of Western Sydney, where he is currently Senior Lecturer in Music Technology, a researcher at MARCS Auditory Research labs and director of the Virtual, Interactive, Performance research environment (VIPRE).

- Project Leader, Virtual, Interactive, Performance Research Environment (VIPRE), UWS
- Senior Lecturer in Music Technology, Research Member, MARCS, University of Western Sydney (2003 - )
- Member of MARCS Auditory Labs, UWS
- Member of the Convergent Media and Community (CMC) Research Group, UWS
- Head of Program – Electronic Arts, University of Western Sydney (2003-04)
- PhD (Animation and Interactive Media) RMIT University, (December 2003)
- Featured artist in the 2003 New York Digital Salon, and DesignX, Florida State Museum of fine Art
- Lecturer in Music Technology and Innovation, De Montfort University, Leicester, UK
- Full time freelance composer and sound designer since 1987

## Recent presentations of, installation and performance works (2004-08):

1. New York Electronic Arts Festival (2007) <http://www.nyeaf.org/>
2. Camden Haven Music Festival (2007) <http://www.camdenhavenmusicfestival.org.au/>
3. Aurora Festival of New Music and ABC Classic FM live broadcast, 2006 <http://www.aurorafestival.com.au/2006/>
4. *Encounter* for HurdiGurdi and Live Electronic processing (2005) (on upcoming CD with M. Atherton) performed, Sydney Eclectic Composers Collective - see <http://www.secsmusic.org/bit/20050501.html>
5. Agora/Résonances Music Festival and NIME06, Paris, France, 2006
6. *Intimate Excursions* – performance with Ass/Professor Curtis Bahn, NIME 05 conference, Vancouver
7. *Meterosonics* Online interactive weather driven music system. Funded by Australia Council for the Arts, Sounding Out Grant. Partners include, McGill University, De Montfort University, and ASU <http://www.meterosonics.com> in the Bulletin, July 2006, <http://bulletin.ninemsn.com.au/article.aspx?id=141421>
8. Black Box, Brisbane, Feb 2005 [http://www.smallblackbox.com.au/artists.php?artist\\_id=95](http://www.smallblackbox.com.au/artists.php?artist_id=95)
9. BEAP04, Biennale of Electronic Arts, Perth, 2004 <http://www.beap.org/beap2004/>
10. NIME04 conference, Shizuoka Uni, Hamamatsu, 2004 (Japan)

11. Songlines Festival, Blue Mountains, Sydney, 2004
12. ICAD conference, Studio Theatre, Sydney Opera House, 2004

## Selected Publications

- (2009) Noise and Texture, towards an Asian Influenced Composition Approach to the Concert Flute. In M. Atherton & B. Crossman (Eds.), *Music of the Spirit*. Sydney: Australian Music Centre.
- (2008) Gesture and Morphology in Laptop Music Performance. In R. T. Dean (Ed.), *The Oxford Handbook of Computer Music and Digital Sound Culture*. Oxford: Oxford University Press.
- (2007) Hearing Places: Sound, Place, Time and Culture. In R. Bandt, M. Duffy, & D. MacKinnon (Eds.), *Hearing Places* (pp. 348-368). Newcastle, England: Cambridge Scholars Press.
- (2007) In Sone, Yuji (Ed.), *SCAN Journal of Media Arts Culture*, 4(1), Macquarie University Press
  - *Sonic Immersion: Interactive engagement in real-time immersive environments*
- (2007) In Bandt, Duffy, MacKinnon (Ed.), *Hearing Places: Sound, Place, Time and Culture*: Oxford university Press
  - *Playing And Hearing Sonic Environments*
- (2005) *Organised Sound Journal*, 10(2), Cambridge University Press, UK
  - *Endangered Sounds: A sound project*
- (2005) Australasian Computer Music Conference, QUT, Brisbane
  - The Thummer™ mapping project - ThuMP
- (2005) e-Performance and Plug-ins: A Mediatized Performance Conference, UNSW, Sydney
  - Sonic immersion: Interactive engagement in realtime responsive environments
- (2005) Scholarship and Community Conference, UWS, Sydney
  - Artificial intelligence systems as a solution to subjective video sensing in contemporary performing arts
- (2004) NIME 04 International Conference, Hamamatsu, Japan
  - *Gesture and Musical Interaction: Interactive engagement through dynamic morphology*
- (2004) ICAD 04 International Conference, Sydney
  - *REEDS, a responsive environmental sound installation.*
- (2004) BEAP 04 Biennale of Electronic Arts, Perth
  - *Endangered Sounds: A sound project.*
- (2004) Creative Media Conference, Image, Text and Sound, RMIT
  - *Gesture and Musical Interaction: The moment of engagement*

## Selected Funding (2005/7)

- (2007) Research Partnerships Program, UWS, **Music Therapy** Project - \$10,000
- (2007) Industry Funding, Nordoff-Robins, **Music Therapy** Project- \$10,000
- (2006) ARC Linkage Project (Paine LP0667671 , TIEM), (2006:\$35,984, 2007:\$46,708, 2008:\$47,418)
- (2006) Research Infrastructure Funding, UWS, **Ahha** Project - \$214,816
- (2006) ARC & MH&NRC (Burnham et al TS0669874) **From Talking Heads to Thinking Heads: A Research Platform for Human Communication Science** (AU\$3.4M)
- (2006) ARC LEIF, **See Hear! Multimodal Recording Analysis** (Stevens et al. - LE0668448, 2006 : \$150,000)
- (2005) Research Infrastructure Funding, UWS, **VIPRE** Project - \$214,816
- (2005) Research Partnerships Program, UWS, **ThuMP** Project - \$35,000
- (2005) Industry Funding, Jammertronics, **ThuMP** Project- \$35,000

## Other Current Research Activity

Contributions to the broader research community including Editorial/Curatorial roles, and community engagement:

- Curator – In SynC – Concert for acoustic instruments and live electronic processing, ABC Classic FM broadcast, Aurora Festival (May 2006)
- Chair of the installation selection panel for NIME05 (Vancouver),
- Guest Editor - *Organised Sound Journal*, *International Journal of Music Technology*, Cambridge University Press UK (8:2) Guest editor. ISSN 1355-7718
- Organiser of UWS student activities at the Electrofringe Festival, Newcastle, NSW (2004-05)
- Member of the Technical Advisory Panel for the Electronic Music Foundation (NYC)
- Board member of the Australian Sound Design Project.
- Member of HCSNet ([www.hcsnet.edu.au](http://www.hcsnet.edu.au)) the ARC Network in Human Communication Science,

## Recent Press

**Realtime Arts:** ARTISTS [AS] EDUCATORS: SOUND <http://www.realtimearts.net/article/74/8159>  
Interview with Garth Paine: Composing Potentials <http://www.realtimearts.net/article/issue67/7868>  
Interactivity in Performance: Art as Research (WISP) <http://www.realtimearts.net/article/issue71/8032>  
Innovation: in a word: <http://www.realtimearts.net/article/issue67/7861>

**The Bulletin** (July 2006), Music taking the world by storm <http://bulletin.ninemsn.com.au/article.aspx?id=141421>