

## Bio of Dr Shaun Nykvist, PhD

I am an educator, researcher, author, project manager and web and system administrator.

I currently work as a senior lecturer in ICT education where my work focuses on new and emerging technologies as well as teaching units in digital media (film, animation and photography), programming, information systems and project management. In this role I also manage several Linux and Apple servers for the Faculty.

I have been a Home Economics, Mathematics, Science and IT teacher in secondary schools, with some experience in primary school teaching. I have also worked with developing countries in the area of education for the past 8 years and have presented papers on ICT education to a number of internationally recognised conferences.

In my work both locally and internationally, I have worked with indigenous groups and ethnic minority groups with my most recent experiences being with the Sami people of Lap Lap land in northern Norway.

I have been a strong advocate of Free and Open Source Software (FOSS) since the mid to late 90s and am currently the director of linux.conf.au 2011.

## Curriculum Vitae: Dr Shaun Nykvist, Ph.D

### 1.0 Personal Information

#### 1.1 Name & Position

Full Name: Shaun Sydney Nykvist

Current Position: Senior Lecturer – School of Mathematics, Science & Technology Education (MSTE), QUT.

#### 1.1 Work Experience

- Current – 2002 Senior Lecturer, School of Mathematics, Science & Technology Education, QUT.
- Research in new and emerging technologies, e-learning, web 2.0, Blended learning and indigenous education in science and technology.
  - Lecturer in digital media (video, audio, animation, photography), Programming (mainly python and php), Information Systems (ORM, CSDP, SQL), Project Management (methodologies including PERT/CPM/Gantt), Robotics (LEGO – RCX and NXT)
- Current - 2006 Director, Pipegrep Consulting (IT consultancy – Web/email/dns hosting, IT solutions, System Admin)
- 2002 - 1999 Sessional Lecturer and Tutor - School of Mathematics, Science & Technology Education, QUT
- 2002 - 1995 Secondary Teacher of IT, Home Economics, Science and Mathematics
- 1998 - 1995 Aboriginal & Torres Strait Islander Education Centre Officer (North West District – part-time).

#### 1.2 Recent Academic Qualifications

2008 Doctor of Philosophy – Web based learning environments

1997 Master of Education, Computing

Brief Outline of Recent Activities or Awards	Year
Director for the conference linux.conf.au 2011 – <a href="http://lca2011.linux.org.au">http://lca2011.linux.org.au</a>	2010-2011
Project organiser for an <b>International Research meeting in Alta, Norway</b> (related NRC grant funding)	2010
Invite to visit <b>ethnic minority people of SaPa, Vietnam</b> (project proposal for research)	2010

Coordination, management and negotiation of <b>Malaysian transnational degree</b> program in Science & Design and Technology (includes a large amount of offshore work and capacity building seminars in Malaysia)	2005 - 2009
<b>Norwegian Research Council</b> (NRC) successful funding of a Science, Engineering, Mathematics and Technology (STEM) Grant	2009
<b>Vice Chancellors Award for Excellence-</b> Partnerships and Engagement, Client Focus, Leadership	2008
Presentation of an <b>Executive Deans' Seminar</b> for Word Teachers Day	2008
Invited <b>Visiting Academic</b> to Finnmark University College, Norway	2008
Invited <b>Visiting Academic</b> in Heidelberg, Germany	2008
International <b>ISTE SIGTEL –Online Learning Highly Commended Award</b> for a web 2.0 online project	2008
<b>Invited Guest Speaker</b> on using ICT to support sustainable communities	2008
Men in <b>Research Grant</b> - investigating ways in which students use web 2.0 environments	2008
<b>Apple Distinguished Educator</b> – use of innovative technologies in education	2006 - 2008
<b>Development and Implementation of a Master of Education</b> ICT course for the Vietnamese Ministry of Education (MOE). Delivered to 2 Vietnam Universities in Hanoi and Hue. This was conducted over an Intense teaching period each year in Vietnam	2002 - 2007
<b>Capacity building</b> and short course with delegates from the Vietnamese Ministry of Education	2007
Successful <b>Teaching &amp; Learning Small Grant</b> – Work Integrated Learning (WIL) Project	2006 - 2007
<b>Capacity Building Workshop</b> with Philippines Ministry of Education Delegates	2007
<b>QUT Outstanding Academic Contribution Award</b> for Teaching and Learning	2006
<b>ASISTM Grant</b> - Online digital media project	2006 - 2007
Nominated for a <b>Teaching Excellence Carrick Award</b> (now ALTC award)	2006
<b>Innovation, Technology and Pedagogy Project</b> – Faculty project	2005
<b>Pocket PC Research Project</b> – mobile technologies pilot study	2004 - 2005
<b>Oz-Teachernet co-director</b> - A free community resource for educators utilising open source software and advocating open source principals since 1995. Current co-developer of CMS, online landyachts project, list and server administrator.	1998-2010

## Recent Publications:

### Book Chapter

Nykvist, Shaun S. (2008) Creating contexts for effective online communities of practice. In: Yelland, Nicola and Neal, Greg A. and Dakich, Eva (Eds.) Rethinking Education with ICT: New directions for effective practices. Sense Publishers, Rotterdam, The Netherlands, pp. 165-180.

### Conference Paper

Nykvist, Shaun S. (2009) A Malaysian tale : pre-service teacher education and ICT integration for a better world. In: Proceedings of The 9th IFIP World Conference for Computers in Education (WCCE 2009), 27-31 July 2009, Bento Gonçalves, Brazil.

Lysne, Dag Atle and Nykvist, Shaun S. and Lloyd, Margaret M. (2008) Can web-blogg be used to link student's practical activities to the use of theoretical concepts? In: nfsun9: 9th Nordic Research Symposium on Science Education, 11-15th June, Reykjavik, Iceland. (In Press)

Nykvist, Shaun S. and Lloyd, Margaret M. and Masters, Jennifer E. (2007) oz-TeacherNet 2.0: Redefining the education online community. In: 15th International Conference on Computers in Education 2007: Supporting Learning Flow through Integrative Technologies, 5th - 9th November, Hiroshima, Japan.

Nykvist, Shaun S. and Lentz, Arjen (2006) Introduction to the pragmatic teaching of database concepts. In: Australian Computers in Education Conference, 2nd-4th October, 2006, Cairns, Australia.

Nykvist, Shaun S. and Masters, Jennifer E. (2006) Learning Informally with Digital Media: The Fifth Dimension. In: Australian Computers in Education Conference, 2nd-4th October, 2006, Cairns.

Masters, Jennifer E. and Nykvist, Shaun S. (2006) Supporting play with digital media: Informal learning in the Fifth Dimension. In: International Conference on Multimedia and Information and Communication Technologies in Education, 22-25 November 2006, Seville, Spain.

Nykvist, Shaun S. (2005) Establishing a sense of community within an online learning environment using open source software. In: WCCE 2005 — The eighth IFIP World Conference on Computers in Education, 4-7th July, 2005, Cape Town, South Africa.

Nykvist, Shaun S. (2004) Communities of Practice: Perspectives from Pre-service Teachers. In: Australian Computers in Education Conference (ACEC), July 2004, Adelaide, Australia.

Nykvist, Shaun S. and Lloyd, Margaret M. and Vui, Tran (2003) ICT education in Vietnam: Diving into the second wave. In: International Conference on Computers in Education, 2nd -5th December, Hong Kong.

Nykvist, Shaun S. (2002) Student use of knowledge building tools in networked communities. In: International Conference on Computers in Education, 3-6th december, North Harbour Stadium, Auckland, New Zealand.  
Journal Article

### **Journal Article**

Lloyd, Margaret M. and Nykvist, Shaun S. and Garrad, Kenneth J. (2004) Building Smarty: A low cost robotics kit for Queensland Secondary Schools. QUICK, Spring 2004(92). pp. 22-23.

Lloyd, Margaret M. and Nykvist, Shaun S. and Garrad, Kenneth J. (2004) Building Smarty: A Low Cost Robotics Kit for Queensland Secondary Schools. QUICK(92). pp. 22-23.

Nykvist, Shaun S. (2002) Information Systems, Computer Studies & Tux. QUICK(84). pp. 10-14.

### **Thesis**

Nykvist, Shaun S. (2008) Arguing online : expectations and realities of building knowledge in a blended learning environment.