

Statement for Scott Daniel

About Me

I have been an enthusiastic STEM educator and science communicator for more than 20 years, and in that time have worked in the primary, secondary, tertiary, and adult education sectors. My work has taken me around Australia and abroad, altogether working for 4 years overseas in Vanuatu, the United States, Namibia, Cambodia, Mauritius, India, Malaysia, and Mexico.

Since 2010 I have been an active member of AAEE, when I started my PhD in engineering education at Swinburne University of Technology. My PhD focused on understanding different experiences of lecturing, as a stepping stone to facilitating more effective pedagogical reform. I've presented outcomes from this work and other research numerous times at the AAEE Conference and multiple conferences in Europe and the United States. I've reviewed dozens of papers for the AAEE Conference and the Australasian Journal of Engineering Education (AJEE), have facilitated sessions at the AAEE Winter School, and was Technical Chair of the 2012 AAEE Conference hosted in Melbourne.

My current role is as Research Fellow in Engineering Education in the Engineering Practice Academy, where I am part of the team developing and delivering the ground-breaking Bachelor of Engineering Practice (Honours) course. In addition, I am on the Board of Directors of Engineers without Borders Australia and the Bendigo Discovery Science and Technology Centre, the Editorial Board of the Journal of Humanitarian Engineering, and was recently selected to join the AJEE as Associate Editor.

How I can contribute to the AAEE Executive

As a recent graduate and early-career researcher myself, I am passionate about supporting student and early-career researchers in their professional development, and more generally academics moving from discipline-based research into engineering education research, so I am looking forward to supporting the Winter School, the ECR Mentoring program, and developing other such mechanisms for professional development.

I'm also interested in further developing links with broader communities of practice, and will bring to the executive my networks, both in Australia and abroad, in engineering education research and physics education research. I will also bring my experience as Technical Chair of the 2012 Conference, and am hopeful of combining these two things to promote linkages between the engineering education community and other STEM education communities through for example being encouraged to attend each other's conferences and other professional development events.

Finally, in the last few years, I have developed my skills and understanding of strategy and good governance through my experiences and having being mentored on other Boards, and will bring this expertise to the executive.