

Research Seminar



GUEST SPEAKER: Ms. Kathryn Davies
Lecturer, Construction Management
Unitec Institute of Technology
Auckland, New Zealand

TOPIC: “Developing the BIM Professional: The Impact of BIM on Industry Roles, Relationships and Skills”

DATE: Friday, Dec. 4, 2015

TIME: 12:00 p.m. – 1:00 p.m.

PLACE: 108 Engineering Unit B

All AE Faculty and Graduate Students are invited to attend.
Pizza and Sodas will be served

Sponsored by the Department of Architectural Engineering

Bio Summary

I have been involved in research since undertaking a MBSoc at Victoria University of Wellington. I further developed my research abilities during research appointments with Delft Technical University in the Netherlands and the Building Research Establishment in the UK. Since 2000 I have been at Unitec Institute of Technology. My research falls into three main areas of interest: implementation of information technology in the construction industry; building performance modelling and monitoring, in particular the use of simulation and related technologies such as Building Information Modelling; and construction education, in relation to my role as a lecturer, but more broadly in the context of industry-based education and training. These areas are connected by an interest in the use of information technology, and the attitudes and implications developing from increased adoption of IT in the industry, from training and education through to change management and other factors around IT uptake within companies. I have worked on research projects of wide-ranging project scale and focus, including successful applications for competitively funded projects, with a variety of partner and client organisations.

In my teaching role, I am course co-ordinator of the Bachelor of Construction final year undergraduate research project at Unitec. This involves co-ordination, management and marking of 50-60 final year students annually, and managing and directing 10-15 supervisors. I deliver the Research Methods component of the course, and supervise 5-8 students each year. I also teach on first year papers in Team Management and Building Sciences and Materials.

I am currently engaged in a PhD at the University of Auckland, investigating the impact of Building Information Modelling on professional roles, relationships and skills. I am on research and study leave 2015, spending time at Universities of Twente and Eindhoven in the Netherlands, and Penn State University in the USA.