



**IEEE Computer Society, WA Chapter, Region 10 EAC and Joint  
Electrical and Electronics Program (JEEP) Seminar.**

**Title: Training in the 21st Century - Demystifying Simulators**

by

Ronald Jones, iVEC  
David Zanich, Central TAFE  
Rex Supierz, Atlas Copco Australia

**Abstract:**

This presentation intends to remove the mystery from computer based simulators. The advantages and disadvantages of the latest computerised training simulators will be discussed in layman's language and two real world examples of simulator use in industry will be demonstrated. Utilising simulations for training purposes has a long history and modern computers have extended the capabilities of simulators significantly. Any training that is dangerous, uses expensive production equipment or requires individuals to travel large distances can potentially benefit from simulators.

Central TAFE have recently built their own drill rig simulator and will discuss the opportunities and challenges of going it alone. Their talk is titled "What can be done in simulation for minimal cost: lessons learnt in developing a drill rig simulator." Atlas Copco Australia is in the process of purchasing their own large scale simulator. They will discuss the experience of assessing the available systems from the commercial providers and convincing the company to make the investment in this new technology.

Date: Wednesday, 13 August 2008      5.30 pm start  
(Light refreshments will be served after the presentation)

Venue:            Auditorium,    Engineers Australia, 712 Murray Street, West Perth

Cost: Free            RSVP:            Not required

**About the Speakers:**

**Ronald Jones** works at iVEC, the supercomputing hub of Western Australia, promoting the use of the advanced computing technologies in WA industry and government. He has worked in Europe for five years building virtual training simulations for emergency response staff.

**Rex Supierz** works for Atlas Copco Australia, based in Perth, and is the National Technical Specialist Coordinator URE (Underground Rock Excavation). He has twenty four years with Atlas Copco in Australia and is involved in the process of introducing underground mining simulators to the Australian market

**David Zanich** is the Learning Portfolio Manager for Engineering at Central TAFE. Past Principal Lecturer in Electronic Engineering at Central TAFE and has worked on the drill rig simulator project since its inception in 2005.