Research in Engineering Education – Transforming the future of our students

Date: 23 March 2012
Time: 8:45am - 12:00pm
Venue: Seminar Room 1, The University Club of WA

The Engineering Education Research Theme provides a platform for both experienced and emerging researchers and research students to share knowledge, ideas and skills, and inform their peers about upcoming events. Due to multiple connections to international experts in the field, we can invite them to share their knowledge and experience and embed these ideas into our own practices.

This first Engineering Education Workshop will be facilitated by the Theme Leader, W/Prof Caroline Baillie. The Workshop will be followed up by a Masterclass on 18 April, facilitated by expert Engineering Education researcher and Visiting Professor, Prof Jenni Case from the University of Cape Town, South Africa. Details of this Masterclass will be distributed in due course.

The workshop is intended as an introduction to the Masterclass and participants are encouraged to sign up to both events.

Aims
The aims of this workshop are to:
- provide an opportunity for researchers at all levels in all parts of the Faculty to meet, share ideas and discuss collaboration opportunities;
- learn about the basics of high quality engineering education research and how to get published; and
- share information about existing resources available at UWA and funding opportunities in the field.

Target Audience
All UWA researchers and their research students who have an interest in the field of Engineering Education, are invited to participate. Attendance is free to UWA staff, students of EER theme members, and UWA guests.

General Principles of the workshop
- We will take a Problem Based Learning approach, encouraging participants to identify and work through the precise nature of the problems within each theme by using their own worked examples where possible.
- Participants commit to active engagement in the sessions.

Registration
In order to register your attendance at this workshop, please contact Ilse Lorenzen by 5 March 2012 at:
Email: ilse.lorenzen@uwa.edu.au

Program
08:45am - Registration and Coffee
09:00am - Introductions by W/Prof Caroline Baillie, Theme Leader: Engineering Education
09:20am - "What constitutes quality in engineering education research?" What does theory and rigour mean for education research and how can I learn about them?
09:50am - "How am I going to find out what I want to know?" Building on the previous discussion: how we can develop methodology and methods
10:50am - Morning Tea
11:05am - "How do we share our findings?" Consider the role of theory in explaining our findings, why we need an argument and not just a report and how we construct that, and the importance of how we communicate our message.
11:30am - Dr Jill St John: Research Development Advisor “How can I get my work funded?”
12:00pm - Conclusion