Thinking Systemically: What we ought to understand when teaching it!

LUNCH TIME SEMINAR: 10 SEPTEMBER 2013

Nicoleta Maynard is an Associate Professor of Chemical Engineering and the Director of Engineering Education Development at Curtin University. In her role, Nicoleta is working with the engineering staff on enhancing industry engagement in the engineering curriculum, scholarship of teaching and learning and research in engineering education.

Nicoleta Maynard’s work and contributions in the scholarship of teaching and learning have been recognised by a number of national and international awards. Her work has been supported by the ALTC through the collaborative grant “The engineering design journey – needs, concept and reality”, with the aim of enhancing the understanding and insights of students and industry operators in engineering principles via immersive 3D environments.

Though an early career researcher in the area of Engineering Education, her research has been recognised nationally and internationally with peer review publications, presentations and invitations for participation in technical panels. Her interest in developing interest and understanding among primary-school students in Engineering and Technology by creating and implementing engaging learning environments, is supported by the ARC and Industry through the project “Igniting Interest and Promoting Understanding in Engineering and Technology among Primary School Students Through Engaging Learning Environments”.

Abstract

What does systems thinking mean? How do we develop this competency in engineering education? These questions prompted inquiry into how systems thinking has been conceptualized in fields outside engineering. This is a conceptual presentation for an ongoing project related to the development of professional skills and competencies in engineering students.

Notes for participants

Please register your attendance by email to fase-ecm@uwa.edu.au by 3 September 2013.

Light lunch and refreshments will be provided.