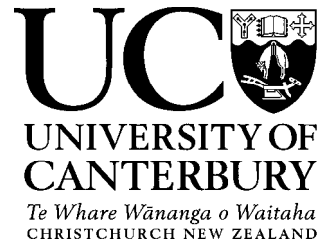


College of Engineering

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DEPARTMENTAL SEMINAR

Friday 2 October 2009

2:10-3:00 p.m.

Lecture Theatre A309, Electrical and Computer Engineering Building

Evolving Structures of Predictors: Results and Simulation Methods

Russell Webb

Engineers construct transistor circuits that implement more idealised switches and amplifiers than a single component could achieve. Can we do the same with prediction? The success of feedback filter systems such as Kalman filters suggest that we can. This seminar will review efforts to design and evolve composite prediction networks. The utility of these networks will be demonstrated, and recent advances in structure and analysis will be presented. Finally, new techniques for flexible, concurrent simulation will be demonstrated using a new scripting language called Vorpal.

ALL WELCOME

PLEASE DISTRIBUTE THIS NOTICE TO INTERESTED PEOPLE

ECE POSTGRADUATE STUDENTS ARE EXPECTED TO ATTEND