



University of Newcastle, Australia

SCHOOL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

The School of Electrical Engineering and Computer Science offers undergraduate and postgraduate study in Electrical Engineering, Computer Engineering, Software Engineering, Energy Studies and Computer Science. In conjunction with the School of Engineering, we also offer undergraduate study in Mechatronics.

Our programs are underpinned by some of the most exciting research in Australia. In the Australian Research Council 2010, 2012, and 2015 research excellence ratings we successively received a top rating of 5 (well above world standard) for Electrical and Electronic Engineering. (No more than four Electrical and Electronic Engineering programs received a top rating of 5 in each rating.)

Below is the list of potential supervisors and their research interests.

Zhiyong Chen: Nonlinear systems and control, networked systems, biological systems, robotics

Colin Coates: Electric Drives, Low Voltage Distributed Generation, Small Scale Wind Turbines

Jose De Dona: Constrained control and estimation, nonlinear control systems, multisensor systems, fault tolerant systems

Andrew Fleming: Dynamics, control and analysis of scanning probe systems

Sarah Johnson: Biomedical signal processing, error correction coding, information theory, signal processing

Jamil Khan: Telecommunications networks, wireless networks, cognitive and cooperative networks and sensor networks.

Yuqing Lin: Combinatorics, graph theory, software engineering

Kaushik Mahata: Signal processing, system identification

Pablo Moscato: Memetic algorithms and its applications.

Nasimul Noman: Memetic algorithms and its applications.

Lawrence Ong: Information theory, coding theory, index coding, wireless communications

Terrence Summers: Electrical engineering, industrial electronics, microprocessor systems, power engineering

James Welsh: Control systems, experiment Design, system identification