

OR/Analytics Position at University of Auckland

The University of Auckland is New Zealand's largest university and houses the country's largest and most successful engineering school. Within the Faculty of Engineering, the Department of Engineering Science (DES) provides undergraduate degree programmes in Engineering Science and Biomedical Engineering (see www.des.auckland.ac.nz). The Engineering Science degree focuses on mathematical modelling and its application to problems in solid and fluid mechanics and operations research/computational analytics. Each cohort in the Engineering Science degree consists of about 50 students selected at Year 2 of their degree. Entry standards are very high. DES also has teaching responsibilities in mathematics and computation to students from all disciplines within the School of Engineering.

DES has an excellent research record in operations research/computational analytics and provides the largest and most successful group working in this area in New Zealand. The operations research/computational analytics team (currently seven full-time academics) has special expertise in scheduling and rostering, transportation modeling, healthcare analytics, stochastic and multi-objective optimization, and electricity market research. Much of this research is carried out in collaboration with local industries, with which the group has strong links. Research funding for analytics in DES is growing rapidly. Two DES faculty are principal investigators in Te Punaha Matatini (the New Zealand Centre for Networks and Complexity), and three operations research/computational analytics faculty are principal investigators in the Smart Services portfolio of National Science Challenge 7, Science for Technological Innovation. Four operations research/computational analytics faculty are also investigators on MBIE grants. Operations research/computational analytics faculty collaborate often with researchers in North America and Europe, and regularly attend major conferences (e.g. INFORMS and EURO).

The Department of Engineering Science are seeking to make an appointment in operations research/computational analytics to complement the decision modelling expertise in the Department. We are seeking applicants with broad interests in business analytics and its applications, but specific expertise in data science, machine learning, applied probability and statistics, and database systems for mining and analysing complex and unstructured data sets will be preferred. The successful applicant will be expected to build and lead a programme of international quality research and undertake PhD research supervision in the general area of operations research/computational analytics; to develop and deliver curricula and courses in the field of operations research/computational analytics, in particular at postgraduate and advanced undergraduate level; and perform service roles in the Department of Engineering Science.

Salary range: Lecturer Step 1 (77,453 NZD p.a.) to Senior Lecturer Step 8 (123,338 NZD p.a.).

The University has an equity policy and welcomes applications from all qualified persons. The University is committed to meeting its obligations under the Treaty of Waitangi and achieving equity outcomes for staff and students. It provides on-site early childhood education centres for babies and pre-school children, it has parental leave and flexible work policies which support a balance between work, life, family and caring responsibilities.

If you have any questions about this position please contact Professor Rosalind Archer via r.archer@auckland.ac.nz

Applications close 11 November 2015.