

Hello All – please see below a pre-MODSIM workshop that is being run at ANU. Note that registration closes on Friday (so too late for the normal digest). Best regards, Val

Uncertainty Quantification Workshop

25–29 November 2019

Venue: Hanna Neumann building, Australian National University

Webpage: <https://maths.anu.edu.au/news-events/events/uncertainty-quantification-workshop>

Contact: admin.research.msi@anu.edu.au

Registration closes Friday, 15 November, 2019

Quantifying modelling uncertainty is essential for credible simulation-aided knowledge discovery, prediction and design. This workshop brings together a diverse set of researchers to identify challenges and novel research directions in the field of uncertainty quantification (UQ). Talks will focus on both algorithm development and applications of UQ in areas ranging from aerospace, material and electrical engineering to the environment. The focus will particular focus on various issues surrounding high-dimensional parameter spaces, multi-fidelity modelling, parameter inference, optimal experimental design, and design under uncertainty.

This event is part of the [MSI Special Year 2019 in Computational Mathematics](#).

Invited speakers

- Karen Willcox, The University of Texas at Austin
- Dongbin Xiu, Ohio State University
- Aurore Delaigle, Melbourne University
- Michael Eldred, Sandia National Laboratories
- Claudia Schillings, University Mannheim

Organising committee

- Stephen Roberts, Australian National University
- John Jakeman, Sandia National Laboratories
- Tiangang Cui, Monash University
- Quoc Le Gia, University of New South Wales
- Katharine Turner, Australian National University