



DR FEI CHEN

Digital Twin Modelling & Inverse Problems

Monday 11 May 11:00-12:00
School of Engineering A4.01

TALK

The seminar will provide an overview of digital twin modeling and its connection to inverse problems, such as tomography problem. Notably, it will delve into the construction of digital twin models for in-silico clinical trials and elucidate the challenges associated with identifying and analyzing solutions from a mathematical perspective.

BIOGRAPHY

Dr. Fei (Jerry) Chen is a postdoctoral researcher in the School of Mathematical and Statistical Sciences at the University of Galway. With a background in inverse problems, Fei possesses expertise in mathematical modeling and efficient solutions to large-scale ill-posed inverse problems. Currently, Fei is a member of the STEP4NAM (Step up the use for new approach methodologies) research project, which aims to enhance the utilization of novel approach methodologies to replace animal testing. Fei's primary responsibility is to develop multi-organ digital twin models.