

Professor David Ingram



David joined the University of Edinburgh's School of Engineering in 2006 and was awarded a personal chair in computational fluid dynamics in 2009. Although he works in the School of Engineering, he is a mathematician with a strong interest in numerical analysis and scientific computing. His first degree was a joint honours in Mathematics, Statistics and Computing from what is now the University of Greenwich. His PhD in the numerical simulation of blast wave impacts with rigid structures was awarded by Manchester Metropolitan University, where he worked for 18 years before moving to Edinburgh. He thus has experience of working and teaching in both teaching-led and research-led universities.

David grew up in Plymouth and attended Coombe Dean School, one of the city's comprehensives. He is dyslexic which made school life challenging. Indeed, a careers advisor suggested he join the Navy as he would not be able to attend university and lacked the skills required for a dockyard job. After

his father purchased an Apple II computer, he developed an interest in computer programming. During his fourth year at school, a Her Majesty's Inspector (HMI) asked why he was not in the top set for Mathematics, leading to remedial English lessons and stretching sessions in Mathematics. During his first degree, he undertook a one-year industrial placement at Harwell Laboratory where he used a Cray-2 computer, which ignited his lifelong passion for computational fluid dynamics.

In 2010 David (with two colleagues) secured funding to construct the world's first circular combined wave and current test basin. FloWave is situated at King's Buildings and has since 2012 supported both academic research projects and companies developing floating wind, wave and tidal energy conversion devices. It is likely the University's largest 'small research facility'. David was a director of FloWave TT Ltd, the company set up to build and operate FloWave until it was reincorporated into the University in 2018.

At the same time, he secured funding to establish a Centre for Doctoral Training (CDT) in Offshore Renewable Energy. The Industrial CDT in Offshore Renewable Energy (IDCORE) programme has since been refunded and trains students from a wide range of Science, Technology, Engineering and Mathematics (STEM) backgrounds to support this important industrial sector. Students undertake projects based in companies and IDCORE awards a Doctor of Engineering Degree.

Outside of the University, David is a Scout leader, an early 17th-century re-enactor and Scottish small pipe player. His unconventional background and work with young people of all kinds give him a strong belief that universities must strive to help everyone achieve their full potential. He is his School's Director of Diversity and Inclusion.

David is married (to a real engineer who builds water and wastewater treatment plants), has two grown up sons and two granddaughters.

[Register of Interests](#)

Committee Memberships

- University Court