

Midlands Centre for Data-Driven Metrology

Richard Leach

Manufacturing Metrology Team, Faculty of Engineering,
University of Nottingham, UK

Abstract

The Midlands Centre for Data-Driven Metrology (MCDDM) is a multi-site collaboration between the University of Nottingham, Loughborough University and Coventry University. The centre focuses on delivering industry-relevant research, training and implementation in metrology. Specifically, the industrial application of data-rich metrology is matched to UK manufacturing's future needs in digital manufacturing. The MCDDM will create a pipeline of trained engineers with industry relevant skills to ensure the UK is competitive in digital manufacturing. This goal will be achieved through the joint expertise of the three universities, providing direct industry support through short and medium-term projects, as well as a Centre for Doctoral Training providing long-term research into key topics, led by industrial partners.

Bio

Richard is currently a Professor in Metrology at the University of Nottingham, Director of the MCDDM, Head of the Manufacturing Metrology Team and prior to this spent 25 years at the National Physical Laboratory. He has been researching and lecturing on surface metrology for over 30 years. He is on the Council of the European Society of Precision Engineering and Nanotechnology (president elect), the Board of the American Society of Precision Engineering and several international standards committees. He is the European Editor-in-Chief for Precision Engineering and has over 560 publications including eight textbooks. He is a Fellow of the International Academy of Production Engineering (CIRP), the Institute of Physics, the Institution of Engineering & Technology, the Higher Education Authority, the Institute of Measurement & Control, the International Academy of Engineering and Technology and the International Society of Nanomanufacturing. He is a visiting professor at Loughborough University and the Harbin Institute of Technology.