

BIOGRAPHY

Dr Patrick Cronin graduated in 2009 with a Mechanical Engineering degree from the University of Limerick in Ireland. He gained his PhD during an EC FP7 project called BioElectricSurface, developing a finishing technology for incorporation of nanoparticles into polymeric surfaces with a focus on antimicrobial applications. He has been cited in international peer reviewed journals, and book chapters. He worked in Analog Devices International, developing engineering systems for processing of thin film coatings and laminate layers of novel materials for semiconductor devices. His research includes application of quality-by-design and safety-by- design in process modelling and control systems for particulate systems. In 2017, he spent time on secondment in the world renowned Center for Structured Organic Particulate System (C-SOPS) at Rutgers University, USA. He is Technical Director and co-founder of Mica NanoTech (MNT) Ltd who deliver a safety-by-design approach to finishing technologies for the surface and textile industry. He currently lectures at University of Limerick on Industrial Organisation and at Limerick Institute of Technology on Manufacturing Technology.