



President’s Research Bursaries 2021/22

Supervisor Profile	
Name Email	Dr Michael McCann michael.mccann@lyit.ie
Current Research Interests	Dr McCann is active in the research area of digital disruption and transformation, specifically in the fields of Data Analytics and AI. He is involved in a number of key research projects in digital healthcare, industry 4.0 and digital transformation.
Career Profile (Education and Employment)	<p>Dr McCann holds a first-class honours degree in Electronics & Computing and completed his PhD in Intelligent Systems Design at Ulster University. He has extensive industry experience having worked in the private sector for many years prior to his academic career. Dr McCann has worked in project & programme management throughout his career including the pre-sales and resultant operational delivery of a €30 million business intelligence portfolio management system during his time as a BI project manager in the city of London. Dr McCann also has extensive knowledge of research & development in industry working as a senior research data analyst for Seagate Inc. closer to home in Derry City.</p> <p>In his academic career Dr McCann has had a significant impact in the growth and progression of postgraduate study at LYIT. He was instrumental in driving the research focus for the Faculty of Engineering & Technology and was a key architect and author of the successful level 10 doctoral programme at LYIT. He is currently the chair of the research committee at LYIT and has been a strong advocate for driving change and building a healthy research community and support structures necessary to deliver the capacity and outputs to meet the requirements for the new Technological University.</p>
Key Achievements	Dr McCann holds a number of key research leadership positions within the faculty including Research Industry Liaison and is the lead PI at LYIT for the Centre for Personalised Medicine, established in April 2017 following an award of €8.6 million from the EU’s INTERREG VA Programme. This cross-border collaborative project, led by Stratified Medicine Ulster University includes 13 partner organisations. The CPM’s five Research Clusters use the methods and digital technologies from personalised medicine and apply them to heart disease, emergency surgery, acute kidney injury, unscheduled care in diabetes and diagnostic accuracy in dementia. These are areas associated with significant clinical need and commercial potential and benefit significantly from the interdisciplinary



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academic and commercial cross-border expertise and collaboration.

He is also the departmental lead for the NorthWest Cross-border Data Science Centre (AI-NoW), working closely with Industry to deliver innovative academic research expertise. He has an extensive cross border network, as a proud County Derry man, and works extremely hard to build all island partnership for the benefit of all communities. He is passionate about building a sustainable and renowned research community with a healthy culture of partnership and collaboration to leave a legacy of vibrant academic research, providing wealth and economic stability for the West & NorthWest of Ireland

Links to ResearchGate/LinkedIn Profile/ORCID ID

<https://www.linkedin.com/in/michael-mccann-77a14423/>