

REFLECTIONS OF UK RESEARCH OPPORTUNITIES LINKED TO INDUSTRY 5.0

This presentation will discuss current UK centric research opportunities, linking these with Industry 5.0 concepts from an architectural design perspective, specifically human centricity, resilience and sustainability.



BILLY HARE
PROFESSOR
GLASGOW CALEDONIAN UNIVERSITY

Billy Hare is a Professor of Construction Management within the School of Computing Engineering & Built Environment at Glasgow Caledonian University in the UK. He is Deputy Director of the School's Research Centre for 'Built Environment & Asset Management' (BEAM) and former chair of the School Ethics Committee. Billy has a PhD in Construction H&S Management; BSc (Hons) in Construction Management and a BA in Occupational Health and Safety. He joined GCU in 2002, after a career in construction contracting. Since then, he has delivered research on several HSE, IOSH, EPSRC, CITB and industry funded projects totalling over £1m, 50+ peer-reviewed publications and Impact Case Studies for the UK Research Excellence Framework. His research portfolio is focused on improving safety, health and wellbeing within the construction industry, including studies that have improved worker engagement, migrant worker H&S, and safety in design. These contribute directly to UN Sustainable Development Goals for 'Good Health and Wellbeing', and 'Decent Work'. Billy is currently International Joint Coordinator of the 'International Council for Research and Innovation in Building and Construction' Safety Health and Wellbeing Working Group, and chair of several other industry working groups. His expert commentary is often sought by the media, and he was appointed as 'Senior Advisor - Buildings and Construction' for the Independent Review of the Queen Elizabeth University Hospital Infections of 2018/19. He has recently established a database for analyzing suicide rates among construction occupations, and is leading the 'Measuring Wellbeing' group for the UK Make-It-Visible initiative.



PATRICIA TZORTZOPOULOS
PROFESSOR
NOTTINGHAM TRENT UNIVERSITY

Patricia Tzortzopoulos is Professor of Architecture at Nottingham Trent University. She comes from an architectural background and her interests cover design management, Lean Construction, Value generation, Building Information Modelling (BIM), and the design of healthcare facilities and social housing. She developed research projects examining requirements management, evidence-based design, code checking in healthcare design, participatory design, retrofit of social housing, between others. Patricia has been an active member of the International Group for Lean Construction since 1998, having served as reviewer and conference editor/organiser. Patricia is an executive committee member for the Global leadership Forum for Construction Engineering and Management Programs (GLF-CEM). GLF-CEM is intended to bring together professors from leading universities around the world who play a leadership and/or administrator role in their respective programs. Patricia has led a number of research projects, supervised research students and published extensively.

More details on her activities are available at her institutional profile: <https://www.ntu.ac.uk/staff-profiles/architecture-design-built-environment/patricia-tzortzopoulos>

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ZOOM LINK:
<https://bit.ly/480xy74>



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Lyles School of Civil and
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