

John Fitzgerald



- **Name:** John Fitzgerald
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Biography

John Fitzgerald is a specialist in rigorous model-based design techniques for the design of cyber-physical systems and systems-of-systems. John studied formal modelling and verification technology for computing systems (PhD, Manchester Univ.), before joining Newcastle University, where he worked on design techniques for avionic systems with British Aerospace in the 1990s. He went on to study the potential for industrial application of formal modelling as a SERC Fellow and later as a Lecturer at Newcastle. He established the design and validation team at Transitive, a successful SME in the embedded processor market before returning to the University in 2003. He has served the School as Director of Research, and as Deputy Head led for the School on the design of the multi-award-winning Urban Sciences Building, itself a living laboratory in Cyber-Physical Systems technology in the built environment. Since August 2017, he has been Head of the newly constituted School of Computing.

John completed 13 years as Chair of FME, the main European body bringing together researchers and practitioners in rigorous methods of systems development. He is a Fellow of the BCS, and a member of the EPSRC College, the ACM, IEEE and INCOSE.



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