

General Biography

Dr Jeffrey Buckley is a Lecturer in Research Pedagogy in the Faculty of Engineering and Informatics of the Technological University of the Shannon: Midlands Midwest. He completed a B.Tech. (Ed.) in Materials and Architectural Technology with Concurrent Teacher Education at the University of Limerick in 2014 before going on to complete a PhD in Technology Education from KTH Royal Institute of Technology in 2018. He has been an active member of the Technology Education Research Group (TERG) since 2014.

Jeff currently has four main research interests. These include investigating how different cognitive abilities influence how young people learn and the translation of this knowledge into pedagogical practices, how Adaptive Comparative Judgement (ACJ) can be used in both the assessment of student work generated in response to creative, open-ended activities and to support teachers in designing pedagogies and providing appropriate feedback, what stereotypes and misconceptions do young people hold of technologists and engineers, and the improvement of research practices in technology education research. He is currently involved in a number of research projects, and is supervising 6 PhD students and 9 Research Masters students, in and at the intersections of these areas.

Jeff's work has been published in a number of leading journals, including Educational Psychology Review, the International Journal of Technology and Design Education, Psychological Reports, Irish Educational Studies, Frontiers in Education, and the European Journal of Engineering Education. He is currently the Associate Editor of the International Journal of Technology and Design Education and a Guest Associate Editor for the STEM Education section of Frontiers in Education. He also serves on the Editorial Boards of Educational Psychology Review, the European Journal of Engineering Education, SN Social Sciences, and The Educational and Developmental Psychologist.

Recognising the importance of strengthening the relevance and accessibility of research activity for pedagogical practice, Jeff is a strong proponent of partnerships between researchers and schools and is particularly interested in conducting collaborative research in this regard. He is interested in working with schools in a variety of areas relating to the development of teaching, learning, and assessment practices.