

Location: School of Physical Sciences Room N115

When: 1oc Thursday 3rd November

Speaker: Mossy Kelly - Assistant lecturer in physics and instrumentation at GMIT (now called the Atlantic Technological University) - Graduate of Physics , DCU

Title: "The Teaching-Research Nexus: Symbiosis or Zero-Sum? Examples from applied physics teaching and research"

Abstract: In the first half of this talk I'll talk about optical / particle diagnostics for laser produced plasmas in different experimental conditions including polarization resolved measurements, plasmas under water, ultrafast plasmas, and air-confined plasmas. In the second half of the talk, I will talk about trying to create teaching environments where undergraduate students have the opportunity to conduct meaningful 'physics research' at undergraduate level by taking a design-based research approach to designing a lab curriculum. Then, in the third half of the talk, I will talk more generally about the teaching-research nexus and how the interplay between an academic-as-a-researcher and an academic-as-a-teacher can sometimes feel like being asked to do more than 100%.

Biographical Sketch: Mossy Kelly did his undergraduate degree in Applied Physics in 2008, and a PhD in 2013. From 2013-2016 he worked as a postdoctoral researcher in Dublin City University and from 2016-2019 he was lecturer in physics / director of student experience at the University of Hull. In 2020 he got a job as an assistant lecturer in physics and instrumentation at the Galway-Mayo Institute of Technology which is now called the Atlantic Technological University.