Prof. Padraig Dunne.

Padraig Dunne obtained his PhD from University College Dublin (UCD) in 1994 for work on the emission and absorption spectroscopy of laser produced plasmas (LPPs) of third and fourth-row elements. He extended his studies of laser plasmas to investigate ion emission and to perform angle-resolved studies. LPPs are now studied as emission sources for EUV lithography at 13.5 and 6.x nm and as sources for imaging and microscopy at wavelengths as low as 2.6 nm, in the “water window”.

He is currently an Associate Professor at UCD and Head of School in the UCD School of Physics. His research interests include properties and applications of EUV and soft x-ray emission from laser produced plasmas, EUV source development spatial and temporal characterisation of laser produced plasmas. He has published more than 60 papers and is a Fellow of the Institute of Physics. His interests also include collaboration with industry and the development and exploitation of research-based intellectual property.