

Alex joined the Science and Technology Facilities Council in 2015 after completing a PhD in experimental physics at Swansea University, where he wrote his thesis on the emission of ultrashort electron bunches from nanoscale metal tips. Since then he has been based at Daresbury Laboratory working on the design, simulation and measurement of magnets for a variety of particle accelerator projects including CLARA, CLIC, Diamond 2 and EPAC. He currently leads simulation and measurements on the ZEPTO project, which aims to develop tuneable permanent magnets as a new green alternative to traditional electromagnet technology. He also organises public outreach events showcasing the importance of accelerator science to the British public.