

John Adams Institute for Accelerator Science Seminar Series

Friday 8th November 2019 at 2:15 pm
Fisher Room, L5,
Denys Wilkinson Building,
Keble Rd, Oxford OX1 3RH

Cleaning up the planet with particle accelerators

Dr. Robert Apsimon
University of Lancaster



Particle accelerators have a wide range of applications, some of which are fairly high profile, such as the LHC and radiotherapy, while others are more discrete, such as security scanners, polymer production and even semiconductor doping. In a world that is growing increasingly concerned with climate change and environmental sustainability, accelerators offer a huge potential to developing green technology, from the treatment of sewage and wastewater, all the way up to changing industrial practices in the textiles and leather industry.

About the speaker: Dr Robert Apsimon is an expert in beam dynamics and RF accelerator design at Lancaster University and the Cockcroft Institute. Robert studied a masters in Physics at Balliol before continuing as a D.Phil. student on the FONT project under the supreme leadership of the JAI's very own Prof. Phil Burrows! He went on to work as a research fellow at CERN before moving back to the UK to work for Lancaster, initially as a postdoc and now as a lecturer.

For further details contact:

Suzie Sheehy suzie.sheehy@physics.ox.ac.uk