

INSPIRING SCIENCE INAUGURAL LECTURES



Why Radionuclides are Good for You

Professor Bill Lee

Centre for Nuclear Engineering and Department of Materials, Imperial College London, UK.

Friday 15 January 2016, 3.30pm

Newman Red Lecture Theatre

Refreshments will be served after the presentation



The UK is embarking on a significant expansion of its nuclear reactor portfolio with ambitious plans for new build starting with a Pressurised Water Reactor at Hinkley Point in Somerset. This talk defines radionuclides and illustrates their benefits to mankind. It takes a general look at radionuclides in the environment, ourselves, in medicine, space, energy and deterrence applications and summarises the current global nuclear fission and fusion scene. Finally, public attitudes to risks associated with nuclear technology are discussed.

Bill is Director of the Centre for Nuclear Engineering and of the Nuclear Energy Centre for Doctoral Training at Imperial College London. He is a member of the UK's Nuclear Innovation and Research Advisory Board (NIRAB), the Leverhulme Trust Panel of Advisors, the Royal Academy of Engineering

International Activities Committee, the Technical Advisory Board of the National Nuclear Laboratory and the Scientific and Environmental Advisory Board Tokamak Energy plc. He was previously Deputy Chair of the Government advisory Committee on Radioactive Waste Management (CoRWM) from 2007-2013, has acted as special advisor nuclear to the House of Lords Science and Technology Committee (2013-14) and was from 2006 to 2010 Head of the Department of Materials at Imperial. He is currently President-elect of the American Ceramic Society, a fellow of the Royal Academy of Engineering, American Ceramic Society, Institute of Materials, Minerals and Mining and the City and Guilds Institute. He has published over 370 papers, 4 authored and 10 edited books and 9 book chapters and has supervised 55 students to completion of their PhDs.