

Scottish Region - Edinburgh and SE Scotland Area

Tuesday 11 October 2016

Impact, Ballistics and the 'Cat and Mouse' Game.

Impact and ballistics is, and has been for a long time, a highly relevant research topic. This presentation will hopefully put this in perspective and also lay the basis for why it should be part of current undergraduate and postgraduate degree programmes. Beginning with a modern perspective of ballistics and impact and move on to more details on the relevance of understanding the relation between threats and targets, the balance between impact and energy dissipation.

The presentation will be illustrated by industrial, civil and defence related examples, which will hopefully also support the discussion.

The speaker, Filipe Teixeira-Dias is a Mechanical Engineer, academic and author by profession. His main research fields are computational and applied mechanics, structural dynamics, blast, ballistic impact and dynamics, armour materials and protection systems. Filipe's academic career started in 1992 at the University of Coimbra (Portugal) as an assistant lecturer and he is currently senior lecturer at the School of Engineering of The University of Edinburgh, where he teaches several dynamics related courses for Mechanical Engineering students. He is a founder member and past president of the Light-Weight Armour for Defence & Security group (LWAG), an association of researchers and industrialists, both civil and military, working on the advancement of defence, protection and armour systems. Filipe was born in Brighton in 1969 and is an amateur photographer and a cycling, mountain hiking, gardening and bee-keeping enthusiast

This event is open to IMechE members and their guests. It is free to attend but booking is required. Book through [Near You](#)

For more information please contact: Paul Reynolds (edinbrosescotsec@imechenearyou.org) or James Ritchie (j.m.ritchie@hw.ac.uk)

Tea, coffee and networking from 6.30 pm. The talk will commence at 7.00 pm prompt.

Venue:

The Royal Scots Club, 30 Abercromby Place, EDINBURGH EH3 6QE