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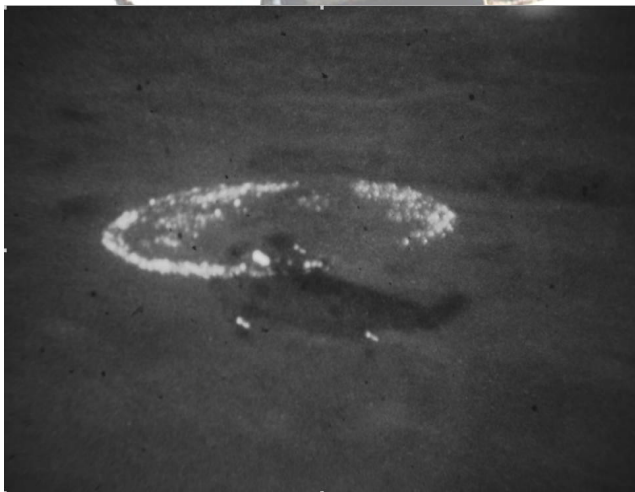
science | innovation | technology

Thursday 11th February 2010
“Helicopter Rotor Blade Scintillation”
12:30 – 16:30 Centre for Defence Enterprise, Start Electron, Harwell

The Centre for Defence Enterprise (CDE) is the Ministry of Defence’s gateway for UK industry, academia and innovators to help ensure our Armed Forces are best equipped now and in the future.

CDE provides a rapid response with a range of advice, assistance and research funding. To help you better understand the challenges and needs of the UK’s Armed Forces, CDE hosts regular Seminars as an opportunity to meet MOD experts and decision makers.

On 11 Feb 2010, CDE will host a seminar on Helicopter Rotor Blade Scintillation. At this seminar, a call will be launched for innovative research proposals for technology that can assist in this high priority sector.



When operating in sandy or dusty environments, interactions between rotor blades and particles stirred up by the rotor downwash can give rise to a phenomenon referred to as *scintillation* although other names such as “*the halo effect*” are also used. *Potential causes have been postulated including triboluminescence, chemiluminescence or electroluminescence but little formal research has previously been conducted. At this seminar, proposals will be invited which will investigate the physics of this phenomenon and propose credible means to eliminate it.*

This subject covers a wide range of topics and will be of interest to a large spectrum of SMEs, academia and industries. There will also be the opportunity to learn more about the Centre for Defence Enterprise and the Ministry of Defence.

A networking lunch will be available between 1230 and 1330. Spaces are limited and early application is advised via our website at www.science.mod.uk. Confirmation of attendance along with joining instructions & directions will be sent once registration has closed. MOD does not charge for attendance at CDE seminars.

We are currently finalising the 2010 CDE seminar programme, which will be available at:

www.science.mod.uk