

## KEYNOTE PRESENTATION

**'UNDERSTAND HOW NEW WELDING FUME LEGISLATION MAY IMPACT YOUR BUSINESS:  
Ensure your business complies with the new laws governing fume in the workplace'**

*This presentation will detail the latest information related to enforcement of welding fume exposure in the UK, as well as providing an understanding of welding fume and how to control exposure.*

### **Why is this important?**

In February this year the Health and Safety Executive (HSE) issued a safety alert on welding fume. Based on recent evidence and the IARC classification of welding fume as a carcinogen, HSE changed their enforcement expectation for the fume from welding mild steel.

In this presentation, Geoff Melton will discuss the latest HSE recommendations for controlling welding fume and the hierarchy of control methods, including a review of workplace exposure limits. Geoff will also present information on welding fume generation and explain how the emission rate and composition of the fume is affected by process and parameters.

**See the next page to find out about the keynote presenter, Geoff Melton...**



## Introducing TWI Welding Fume Expert, Geoff Melton



### Geoff Melton

TWI Technology Manager, Geoff Melton is the Chairman of IIW Commission VIII, 'Health, Safety and the Environment,' as well as the chair of CENELEC TC26 on electric welding equipment.

Geoff was also instrumental in the creation of a working group set up between IEC and ISO to write a new series of international standards for arc welding equipment (IEC 60974). This led to the development of standards for electromagnetic compatibility (EMC) and the health effects of exposure to electromagnetic fields (EMF) in welding.

Having graduated with a degree in physics and electronics, he has worked in welding research and development for nearly 40 years. In addition, Geoff has an MBA and is a Chartered Engineer and Chartered Physicist.

At TWI, he leads a wide portfolio of research projects - from welding fume to automated welding process developments for low/zero emission automotive applications.

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