



**NWC Process Industries Division**

**GAS EXPLOSION PROTECTION  
FOR AEROSOL FILLING ROOMS –  
FULL SCALE TESTING AND CFD  
ANALYTICAL VALIDATION**

**Institution of  
MECHANICAL  
ENGINEERS**

This presentation will give an overview of a full scale experimental and CFD analytical validation programme on aerosol gas houses that was conducted in 2017 by Unilever and MMI Thornton Tomasetti. The presentation will cover the following topics:

- Drivers for the analytical and experimental work.
- Description of the CFD analysis.
- Overview of the design, construction and installation of the test rig (full scale).
- Pictures and videos of the full scale explosion tests
- Conclusions and outcomes of the work.

**12th June 2019, 18:00 for 18:30**

STFC Daresbury Laboratory Keckwick Ln,  
Daresbury, Warrington WA4 4AD

To register please contact Neville Snodgrass ([neville.snodgrass@stfc.ac.uk](mailto:neville.snodgrass@stfc.ac.uk)) or for information on the presentation contact Tim Jones ([tim.jones@rpsgroup.com](mailto:tim.jones@rpsgroup.com))