

# **The Third Workshop of the CoE in Materials Ageing, Performance and Lifetime Prediction**

## **09:30–10:00 Arrivals and Registration**

### **Welcome**

**10:00** Professor Mark Whiting, Professor of Materials Ageing, University of Surrey,  
*Introduction and Opening Remarks*

### **Opening Keynotes**

**10:15** Sean Cooper, NCC Senior Chief Engineer – Defence, *NCC and the Materials  
Ageing Landscape*

**10:45** Professor Alan Partridge, Director of DMEx, *Materials Ageing within the Materials  
for Extreme Environment Landscape*

## **11:15–11:40 Networking**

### **Technical Papers 1**

**11:40** Dr Jasmine Bone, NCC, *Marine ageing of composites: considerations for test  
methodologies and modelling*

**12:00** Dr Julian Murphy, AWE, Dr Phil Cobb, AWE, and Dr Alex Stone, NNL, *Assessment  
of performance through life for new polymer technologies in high radiation  
environments*

**12:20** Dr Stefanos Giannis, NPL, *Ageing of recyclable polymer composites in  
challenging environments*

**12:40** Aisha Rafiq, AWE, *System-Level Ageing: A Unique Challenge*

## **13:00–14:00 Lunch, Posters and Networking**

### **Technical Papers 2**

**14:00** Dr Adam Klein, University of Surrey, *Ageing of Aluminium Nitride*

**14:20** Dr Ewan Galloway, AWE, *Carbon UHTC Composites*

**14:40** Ieuan Carney, University of Surrey, *Development and Characterisation of a  
Novel Piezoelectric Walking Motor for Small Satellite Applications*

**15:00** Dr Angela Robinson, AWE, *Performance Ageing of Safety Critical Materials*

**15:20** Professor Nick Bazin, AWE, *Detecting Physical Changes in Component  
Assemblies*

**15:40** Professor Mark Whiting, *Closing Remarks*

**15:45** Refreshments, Networking, Optional NCC Tour and Departure