



**Rolls-Royce®**



## **International Workshop on Quantitative Mechanistic Nucleation and Microstructure-sensitive Growth of Fatigue Cracks**

**Pichette Auditorium, Pembroke College, Oxford, UK**

### **Day 1 – Monday 3 April**

8.30 Registration and Coffee

9.20 Welcome and Introduction (Fionn Dunne, Duncan Maclachlan)

#### **Session 1 (Chair: tba)**

9.30 – 10.00 Angus Wilkinson, Oxford University

10.00 – 10.30 Tresa Pollock, UCSB, USA

10.30 – 11.00 Mike Sangid, Purdue University, USA

11.00 – 11.30 Coffee/Tea Break

#### **Session 2 (Chair: tba)**

11.30 – 12.00 Dave McDowell, Georgia Tech, USA

12.00 – 12.30 Sean Leen, NUI Galway, Ireland

12.30 – 1.00 Maxime Sauzay, CEA, France

1.00 – 2.00 Lunch

#### **Session 3 (Chair: tba)**

2.00 – 2.30 George Cailletaud, Ecoles des Mines, France

2.30 – 3.00 Javier Segurado, IMDEA, Spain

3.00 – 3.30 Nicolas Saintier, Ecoles Nationale Superieure d'Arts et Metiers, France

3.30 – 4.00 Tea/Coffee Break

#### **Session 4 (Chair: tba)**

4.00 – 4.30 Jim Larson, AFRL, USA

4.30 – 5.30 Industry Discussion Session 1: Industry Need and Technology Readiness in Fatigue Crack Nucleation – David Rugg and Duncan Maclachlan (Rolls-Royce)

*7.00 Dinner – Main Hall, Pembroke College*

## **Day 2 – Tuesday 4 April**

### **Session 5 (Chair: tba)**

9.00 – 9.30 Esteban Busso, ONERA, France

9.30 – 10.00 Jean-Yves Buffiere, INSA de Lyon, France

10.00 – 10.30 Liguozhao, Loughborough University, UK

10.30 – 11.00 Coffee/Tea Break

### **Session 6 (Chair: tba)**

11.00 – 11.30 Fionn Dunne, Imperial, UK

11.30 – 12.00 Samuel Forest, Ecoles des Mines, Paris

12.00 – 1.00 Industry Discussion Session II: Industry Need and Technology Readiness in Microstructure-sensitive Fatigue Crack Growth – Mike Martin (Rolls-Royce), Dave Knowles (Atkins/Bristol University)

1.00 – 1.15 Closing summary

1.15 – Lunch and Finish