



ENVIRONMENTALLY ASSISTED FATIGUE IN METALLIC STRUCTURES: INCEFA+ FINAL SEMINAR AND WORKSHOP

Online, 21-22 October, 2020

Programme:

DAY 1:

Session 1: Wednesday afternoon

14:00-14:30 INCEFA PLUS overview.

Kevin Mottershead – Jacobs, UK.

14:30-15:00 Existing methods for EAF assessments.

Nicolas Prompt – EDF, France.

15:00-16:00 INCEFA PLUS experimental programme: DoE and testing phases.

Matthias Bruchhausen – JRC, European Commission.

Break (30 minutes)

16:30-17:15 Uniaxial fatigue testing protocols: air and environment.

Marc Vankeerberghen – SCK-CEN, Belgium.

17:15-18:00 Fractographic aspects of INCEFA+ test specimens

Caitlin Huotilainen – VTT, Finland.

DAY 2

Session 2: Thursday morning

09:00-09:30 In service return of experience to guide future EAF R&D program.

M. Scibetta – SCK-CEN, Belgium.

09:30-10:30 Effect of mean stress and mean strain on EAF.

Philippe Spätig – PSI, Switzerland.

10:30-11:15 Effect of surface roughness on EAF

Lauren De Baglion – Framatome, France.

Break (30 minutes)

11:45-12:15 Effect of hold times on EAF.

Alec McLennan – Jacobs, UK.

12:15-13:00 Biaxial tests for EAF characterisation

Cedric Gourdin – CEA, France.

Session 3: Thursday afternoon

14:00-15:00 INCEFA+ data analysis and impact on existing fatigue assessment procedure accounting for EAF.

Sam Cuvillez – EDF, France.

15:00-15:30 Case studies I.

Gintautas Dundulis – LEI, Lithuania.

15:30-16:00 Case studies II.

Jonathan Mann – Rolls-Royce, UK.

Break (30 minutes)

16:30-17:00 Discussion Panel – The future of Environmental Fatigue Assessments.

Moderator: Kevin Mottershead.

Closing remarks