

6th International
ECCC Conference



2023

SAVE THE DATE

22 – 24 May 2023

Edinburgh



ECCC Creep & Fracture 2023

Creep & Fracture in High Temperature Components
Design & Life assessment



Energy Materials Group
of the Institute of Materials, Minerals and Mining

www.eccc2023.com

22 – 24 May 2023

Edinburgh



2023

We are pleased to announce that the 6th International ECCC Creep & Fracture Conference will be held in Edinburgh in Spring 2023. It follows from the 5th ECCC Conference that was necessarily postponed due to the pandemic, then held virtually online in October 2021. The 6th Conference will bring together engineers and scientists from around the world to present and discuss research and developments in all aspects of creep and creep interaction behaviour of high temperature industrial materials and components. The overall aim is to disseminate knowledge and identify future work items requiring attention from the high temperature research, design and standardisation communities, and component application.

Conference Topics will include:

- Creep Data Analysis and Methodology Recommendations
- Effects of Flexible Operation on High Temperature Materials
- High Temperature Damage Interaction
- Component Design and Life Assessment Microstructural and Damage Studies
- Lifetime Assessment and Determination
- New Creep Testing and Modelling Methods
- High Temperature Materials Development

ECCC Creep & Fracture 2023

www.eccc2023.com

International Advisory Board:

- Dr K. Kimura (National Institute for Materials Science), JP
- Prof R. Knutsen (University of Cape Town), ZA
- Dr H-Y. Lee (Korean Atomic Energy Research Institute), KR
- Prof H. Li (University of Wollongong), AU
- Prof F. Masuyama (Kyushu Institute of Technology), JP
- Dr A. Minchener (International Centre for Sustainable Carbon), UK
- Dr A. Nagesha (Indira Gandhi Centre for Atomic Research), IN
- Dr T. Perez (Engineering National Academy), AR
- Dr R. Purgert (Energy Industries of Ohio), US
- Dr J. Siefert (Electric Power Research Institute), US
- Dr M. Yaguchi (Central Research Institute of Electric Power Industry), JP
- Prof L. Zhengdong (Central Iron and Steel Research Institute), CN

Plenary Speakers

To be Advised

ECCC Creep & Fracture 2023

www.eccc2023.com

ECCC Creep & Fracture 2023 will be hosted by the UK group of ECCC members, under the umbrella of the UK High Temperature Power Plant Forum. The Institute of Materials, Minerals and Mining are assisting the promotion and organisation of the event.

The European Creep Collaborative Committee (ECCC) is the leading voice of European experts on subjects relating to creep and creep interaction, representing the views of alloy producers, plant manufacturers and end-users. For more than 30 years ECCC has been engaged in the co-ordination of Europe-wide creep data generation, collation and assessment activities, with the aim of pooling national data resources to provide the optimum basis for creep property values for European product and design standards.

The High Temperature Mechanical Testing Committee (HTMTC) operates as Technical Committee 11 of the European Structural Integrity Society (ESIS). The HTMTC aims to improve the techniques and procedures used for the high temperature testing of materials, and to disseminate this information to the materials community as a whole. The UK High Temperature Power Plant Forum is a working group under HTMTC and represents the UK membership of ECCC.

The Institute of Materials, Minerals and Mining (IOM3) is a UK engineering institution whose activities encompass the whole materials cycle, from exploration and extraction, through characterisation, processing, forming, finishing and application, to product recycling and land reuse. It exists to promote and develop all aspects of materials science and engineering, geology, mining and associated technologies, mineral and petroleum engineering and extraction metallurgy.

ECCC Creep & Fracture 2023

www.eccc2023.com

Conference organisation:

Dr Peter Barnard (MPI), UK - Chairperson

Dr Chris Bullough (GE), UK

Dr Augusto Di Gianfrancesco (ECCC), IT

Dr Arianna Gotti (RINA), IT

Dr Stefan Holmstrom (SCKCEN), BE

Dr Torsten-Ulf Kern (Siemens Energy), DE

Key Dates:

Call for abstracts	Open
Abstract submission deadline	15 st Sept 2022
Abstract acceptance date	30 th Nov 2022
Full paper deadline	28 th Feb 2023
Registration opens	to be advised
Registration close	21 st May 2023
Conference opens	22 nd May 2023
Conference closes	24 th May 2023
Complementary tours/visits	25 th May 2023

Visits to Advanced Forming Research Centre (AFRC) and Torness Nuclear Power Station are planned with details to be confirmed by local management.

ECCC Creep & Fracture 2023

www.eccc2023.com