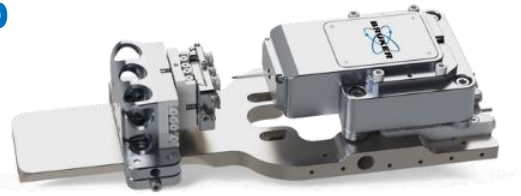
In-situ SEM NanoIndentation Workshop

5th December 2024 at Henry Royce Institute Hub Building,
Oxford Road, Manchester M13 9PL, UK



Agenda - Thursday 5th December 2024

09.30 **Registration and Coffee - Henry Royce Institute Hub Building, Oxford Road, Manchester**

10.00 **Welcome and Introduction**
Dr C. J. Williams & Dr Rhys Jones

10.10 **Introduction to the Henry Royce Institute**
Dr Helen Ryder - University of Manchester, School of Materials

10:30 **Overview of Nanomechanical Characterisation at the University of Manchester**
Dr C. J. Williams - University of Manchester, School of Materials

10.50 **Latest Nanoindentation Applications Overview – Competencies of PI 89 Picoindenter**
Dr Jaroslav Lukeš, Applications Scientist - Bruker Nano Surfaces & Metrology

11:10 **Interfacial Failure Mechanisms of Environmental Barrier Coatings Exposed to High Temperature Steam Oxidation"**
Dr A. Hilmi Paksoy - University of Manchester, School of Materials

11.30 **Automated *in-situ* testing for improved spacial and temporal resolution**
Dr Jack Donoghue - University of Manchester, School of Materials

11.50 **Anisotropic Fracture in Gadolinium Zirconate Single Crystal Micromechanical Testing and Modelling**
Yang Liu - University of Manchester, School of Materials

12:10 **Latest developments from Bruker in the field of *in-situ* Nanoindentation**
Dr Rhys Jones, NI Product Sales Specialist - Bruker Nano Surfaces & Metrology

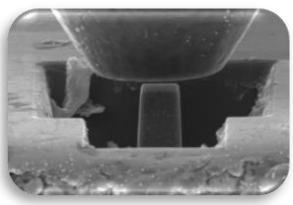
12.30 **Lunch**

13.30 **Demonstration Session 1**
PI 89 SEM Picoindenter
Dr Jaroslav Lukeš, Applications Scientist - Bruker Nano Surfaces & Metrology

15.00 **Coffee break**

15.30 **Demonstration Session 2 – Sample Running** (please register samples ahead of time)
PI 89 SEM Picoindenter
Dr Jaroslav Lukeš, Applications Scientist - Bruker Nano Surfaces & Metrology

17.00 **Close**



Scan the QR code or click here to register and reserve your space!

ROYCE

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