IMAPS-UK Technical Conference

MicroTech 2025 Annual Conference
Thursday 20th March 2025
"Packaging in Challenging Applications"
CALL FOR ABSTRACTS

Venue: National Space Centre, Leicester

MicroTech 2025 is the **Annual IMAPS-UK Conference** which, this year, focuses on **Packaging in Challenging Applications.** This **in-person Conference** combines invited **Keynotes**, **Presentations** and **Posters** from leading Industrial Companies and Research Institutions.

MicroTech 2025 will provide examples of the implementation of packaging in challenging applications, including **extreme low and high temperature, space, medical, data centres and AI**. Packaging in challenging applications will not only be expected to demonstrate **enhanced performance**, but also **improved efficiency**, **reduced thermal impact**, **overall life cycle cost benefits** and a **robust supply chain**.

IMAPS-UK invites **Abstracts** which describe the latest which will have a significant impact on electronics destined for challenging applications covering **advanced packaging techniques**, **design and manufacturing strategies** and **reliability assessment**.

MicroTech 2025 aims to provide the **Delegates** with an opportunity to learn from and network with **leading Industry and Academic Speakers** as they share their experiences, developments and opportunities.

Organising Team		
Event Co-Ordinator:	Andrew Holland – RF-MOD	**Secretariat:** Steve Riches
Organising Team:	Carolyn Short - KLA Andy Bonner – IPP Group David King – Alter Technology	Martin Wickham - NPL Jeff Kettle – University of Glasgow Eamonn Redmond - Inseto

Instructions for participation

We invite submission of abstracts in the following areas:

Research and Development Papers and Posters: These will describe high-impact academic research relating to the conference topics.
Technical Presentations: Technical presentations showcasing in-production or pre-production techniques relating to the conference topics.
Current/Future trends: Presentations demonstrating how markets related to the main conference topics are developing over time.
All abstracts received by the submission deadline will be evaluated by the technical committee. Abstracts covering a balanced range of the main conference topics will be selected and invited to provide an **Oral Presentation** (15 mins + 5 mins questions) during the conference and others will be selected for **Poster Presentation** in the Exhibition Area for the Conference, with **Awards** available for selected **Posters** submitted and presented by **Students and Early Career Professionals.**

Conference Topics – Packaging in Challenging Applications

Challenging Applications	Advanced Packaging Technologies	Design and Manufacturing Strategy	Reliability Assessment
• Extreme Condition Electronics (Low and High Temperature) • Medical • Automotive • Aerospace/Space • Data Centres/AI • High Speed Communications • Lightweight materials	• Chiplets • Quantum Computing • Photonics/Quantum • Power Electronics • MEMS and Sensors • Heterogeneous Integration • System in Package (SIP)	• Design for Manufacturing • Life Cycle Assessment • Circular Economy • Supply Chain Resilience • Sustainable and Critical Raw Materials • System Integration • Artificial Intelligence and Machine Learning • COTS Component Usage	• Reliability Test Development • Lifetime Prediction • Failure Modes • Inspection and Failure Analysis Techniques • Modelling and Simulation • Corrosion • Radiation Hardness

Those wishing to present their work at MicroTech 2025 should submit an abstract of 200-300 words, electronically to: office@imaps.org.uk by the deadline of **Friday 29th November 2024**. Students and Early Career Professionals who have an abstract accepted for Poster presentation will be offered **free attendance** at MicroTech 2025

Deadlines

Abstract submission (200-300 words)	Friday 29th November 2024
Acceptance of Abstracts for Oral and Poster Presentation	Friday 20th December 2024
Confirmed speaker abstracts and biographies	Friday 21st February 2025
Final presentations prepared	Friday 14th March 2025