

MicroTech 2024 Annual Conference

Wednesday 10th April 2024

“Making a Space for Advanced Packaging”

CALL FOR ABSTRACTS

IMAPS-UK Technical Conference



Venue: Aerospace Bristol Museum, Bristol

MicroTech 2024 is the **Annual IMAPS-UK Conference** which, this year, focuses on the key challenges associated with **Advanced Packaging**. This **in-person Conference** combines invited **Keynotes, Presentations** and **Posters** from leading Industrial Companies and Research Institutions.

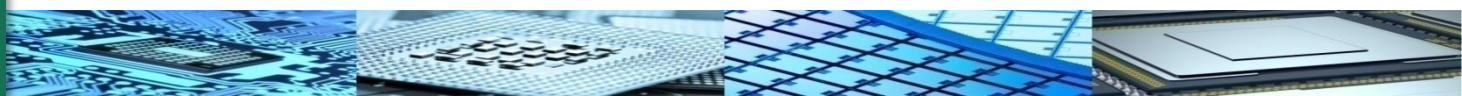
MicroTech 2024 will provide examples of the implementation of **advanced packaging technologies** in challenging applications, the development of **strategies for electronics design and manufacture** and latest advances in the assessment of **performance and reliability**. **Advanced Packaging Technologies** 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 **advanced packaging technologies, challenging applications, design and manufacturing strategies** and **enhanced performance/reliability aspects** which will have a significant impact on electronics of the future.

MicroTech 2024 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:	David King - Alter Technology	Secretariat: Steve Riches
Organising Team:	Eamonn Redmond - Inseto Scott Wood – Accelonix Martin Wickham – NPL Andrew Holland – RF-MOD	Andy Longford – Panda Europe Hassan Akhtar – MTC Heaklig Ayala – University of Warwick Mark Kenny – Rydon Technology





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**.

Conference Topics – Making A Space for Advanced Packaging

Challenging Applications	Advanced Packaging Technologies	Electronics Design and Manufacturing Strategy	Performance and Reliability
<ul style="list-style-type: none"> High and Low Temperature Electronics Medical Renewables Automotive Aerospace Space Data Processing High Speed Communications 	<ul style="list-style-type: none"> Chiplets Quantum Computing Photonics/Quantum Power Electronics MEMS and Sensors Heterogeneous Integration System in Package (SIP) 	<ul style="list-style-type: none"> Design for Manufacturing Life Cycle Assessment Circular Economy Supply Chain Resilience Sustainable and Critical Raw Materials System Integration Artificial Intelligence and Machine Learning 	<ul style="list-style-type: none"> Thermal and Electrical Efficiency Reliability Test Development Lifetime Prediction Failure Modes Inspection and Failure Analysis Techniques Modelling and Simulation

Those wishing to present their work at MicroTech 2024 should submit an abstract of 200-300 words, electronically to: office@imaps.org.uk by the deadline of **Friday 22nd December 2023**. Students (Undergraduate and Post-Graduate) who have an abstract accepted for Oral and Poster presentation will be offered **free attendance** at MicroTech 2024

Deadlines

Abstract submission (200-300 words)	Friday 22nd December 2023
Acceptance of Abstracts for Oral and Poster Presentation	Friday 12 th January 2024
Confirmed speaker abstracts and biographies	Friday 8 th March 2024
Final presentation prepared	Friday 5 th April 2024