

# Electronics for Extreme Environments Conference (incorporating HiTEN)

# 30<sup>th</sup> June – 1<sup>st</sup> July 2026

## *“Electronics That Must Endure”*

**Abstract Deadline:**  
**30<sup>th</sup> January 2026**

# CALL FOR ABSTRACTS



## Venue: Churchill College, Cambridge, UK

## 5 reasons to attend the Electronics for Extreme Environments Conference:

- How to bring electronics into harsh environments to solve your problems
- Understand how to validate components for extreme environments
- Learn about materials, components and devices for harsh environments
- Network and learn from other applications, industries and specialities
- Participate in extending the capabilities of sensing, IoT and AI to new environments

IMAPS-UK invites you to submit an abstract (**200-300 words**) by **Friday 30<sup>th</sup> January 2026** covering any of the topics below to <mailto:office@imaps.org.uk>:

## Electronics for Extreme Environments Conference Topics

High and Low Temperature Applications	High Field Strength	Severe Mechanical and Environmental Conditions	Ultra Long Life Electronics
<ul style="list-style-type: none"><li>• Automotive</li><li>• Aerospace/Space</li><li>• Defence/Security</li><li>• Energy and Renewables</li><li>• Data Centres/AI</li><li>• Medical</li><li>• Photonics</li><li>• Quantum Computing</li><li>• Cryogenic</li></ul>	<ul style="list-style-type: none"><li>• Radiation Tolerant and Rad-Hard</li><li>• EMC Emissions and Susceptibility</li><li>• Magnetic Fields</li><li>• High Voltage</li></ul>	<ul style="list-style-type: none"><li>• Mechanical Shock and Vibration</li><li>• Chemical:<ul style="list-style-type: none"><li>– Humidity</li><li>– Corrosion</li><li>– Explosive</li><li>– Atmospheres</li><li>– Medical Implants</li></ul></li><li>• High and Low Pressure</li><li>• Test and Reliability</li></ul>	<ul style="list-style-type: none"><li>• Long Term Storage</li><li>• Power Budgets</li><li>• Charging/Discharging</li><li>• Remote Sensing</li><li>• Structural embedded electronics</li><li>• Autonomous Systems</li><li>• Testing and Reliability</li></ul>

### Example Applications Areas:

- Reducing consumption in energy intensive processes.
- Safety in hostile industrial environments
- Sensing in extreme environments
- Providing security on critical defence applications

The **Electronics for Extreme Environments 2026 Conference** focuses on “*Electronics That Must Endure*”. This **in-person Conference** combines invited **Keynotes**, **Presentations** and **Posters** from leading Industrial Companies, Academics and Research Institutions developing sensors, semiconductors, components, energy sources, packaging and assemblies that must perform reliably under extreme conditions, including high and low temperatures, high field strengths, severe mechanical and environmental conditions and ultra-long life electronics. This Conference follows on from and extends the High Temperature Electronics Network (HITEN).

### Instructions for Abstract Submission

**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** during the conference and others will be selected for **Poster Presentation** in the Exhibition Area for the Conference.

### Awards available for selected Posters

submitted and presented by **Students and Early Career Professionals**

Those wishing to present their work at the Electronics for Extreme Environments Conference 2026 should submit an abstract of 200-300 words, electronically to: [office@imaps.org.uk](mailto:office@imaps.org.uk) by **Friday 30<sup>th</sup> January 2026**.

### Deadlines

Abstract submission (200-300 words)	Friday 30 <sup>th</sup> January 2026
Acceptance of Abstracts for Oral and Poster Presentation	Friday 27 <sup>th</sup> February 2026
Confirmed speaker abstracts and biographies	Friday 29 <sup>th</sup> May 2026
Final presentations prepared	Friday 26 <sup>th</sup> June 2026