

# “Designing the Future of Additive Manufactured Electronics”

Wednesday 21<sup>st</sup> and Thursday 22<sup>nd</sup> April 2021

Supported by the EPSRC Design for Additive Manufacturing Network

IMAPS-UK Technical Workshop



## Highlights:

*Keynote Presentations*

Status of AM for Electronics

Advanced AM Processes

State of the Art AM Equipment

Assessment of Future Needs

Identification of Innovative  
Collaborations

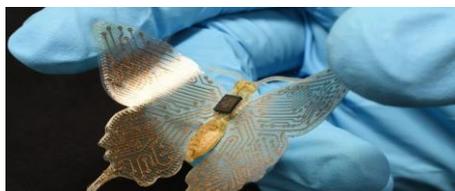
Networking with Experts

## Addressing the Key Challenges of the Future Adoption of Additive Manufactured for Electronics

The revolution in additive manufacturing is creating new opportunities for the **manufacture of electronics products** instead of standard surface mount assembly on printed circuit boards. The potential benefits include **miniaturisation and improved performance** through integration of the electronics within the structure of the component and truly **flexible manufacturing for customisable products**.

However, the performance, density and reliability of **high-density multilayer boards and advanced packaging techniques** are significantly more advanced than what has been demonstrated to date with Additive Manufacturing technologies. This Workshop aims to generate a greater understanding of the drivers and motivation that will facilitate **multidisciplinary discussions, cross-fertilisation of ideas and drive future innovation** in designing for the future of additive manufacturing for electronic systems.

Book your **Place** now at the **Free to Attend Workshop** on “**Designing the Future of Additive Manufactured Electronics**”.



Register Here for Free  
to Attend Workshop

IMAPS-UK/DfAM  
Technical Workshop  
Where Industry and  
Academia Meet Online



## Provisional Agenda (subject to change):

### Wednesday 21<sup>st</sup> April 2021

13:00 Welcome and Introduction to DfAM Network and IMAPS-UK

**13:15 Overview of Additive Manufacturing for Electronic Systems**

*Dr Robert Kay, University of Leeds*

**14:00 Latest Advances in Additive Manufacturing for Electronic Systems**

*The Manufacturing Technology Centre*

**14:45 Brainstorming/Interactive Session**

*What is needed now and into the future?*

**16:00 End of Day 1**

### Thursday 22<sup>nd</sup> April 2021

13:00 Summary of Day 1 and Introduction to Day 2

**13:15 Multi-Function Additive Manufacturing**

*Professor Eric McDonald – Youngstown State University*

**14:00 Case Study Presentations**

**14:45 Brainstorming/Interactive Session**

*What are the main challenges?*

*What areas need to be addressed through collaboration*

**15:45 Outcomes and Summary**

**16:00 Close of Event**

Each Talk will consist of a 30 minute presentation followed by 10 minutes for Questions and Answers and a 5 minute break.



## About the Design for Additive Manufacturing Network – [www.designforam.ac.uk](http://www.designforam.ac.uk)

The purpose of the EPSRC Design for AM Network is to connect the wider UK Design for AM academic research community alongside those in industry that are experienced practitioners of additive manufacturing technologies, such that we can benefit from sharing knowledge, developing research themes and working collaboratively to ensure that Design for AM is given the best platform possible.

By bringing together the Design for AM community, the network aims to reach out to the widest possible audience that might benefit from Design for AM research; identify future research directions, and facilitate larger and more adventurous research collaborations.

## About IMAPS-UK:

The International Microelectronics, Assembly and Packaging Society (IMAPS) is the largest society dedicated to the advancement and growth of microelectronics and advanced electronics packaging. IMAPS-UK is a registered Charity and plays a leading role in the UK's advanced electronics industry.

IMAPS-UK Events offer delegates the opportunity to learn about the issues and complexities of microelectronics assembly technologies. They provide professional development through in-depth, real-life insights into materials, processes and equipment applied to current and future electronics.

**JOIN TODAY AND START SEEING THE BENEFITS!**

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visit us [www.imaps.org.uk](http://www.imaps.org.uk)

