IMAPS-UK Technical Conference

4th International Conference and Exhibition on Photonics and Opto-Electronics Packaging

CALL FOR ABSTRACTS

South Devon College, Paignton – Tuesday 15th October 2024

IMAPS UK, in partnership with the **Torbay Hi-Tech Cluster & South Devon College** , bring you **pOp4,** the **4th International Conference and Exhbition on Packaging Technology for the Photonics and the Opto-electronic components** and systems industry. The growth in demand for photonics and opto-electronic components driven by the exponential expansion in data centre traffic, wireless and quantum technologies, sensors and autonomous vehicles is posing challenges for opto-electronic packaging techniques in order to increase transmission rates and reduce manufacturing costs.

The conference will meet the needs of those involved with design of systems, development of components as well as end-users. The conference and exhibition will take place at the South Devon College, High Tech and Digital Centre, which is within one of the main focus areas for photonics and opto-electronics components in the UK.

IMAPS-UK invites **Abstracts** which describe the latest **Market Directions, Academic Research and Development, Emerging Applications and Advanced Packaging Technologies** which will have a significant impact on future photonic and opto-electronic components and systems.

pOp4 aims to provide the **Delegates** with an opportunity to learn from and network with **leading Industry Experts** as they share their experiences, developments and opportunities.

Organising Committee

Event Co-ordinator:	Mark Kenny – Rydon Technology	**Secretariat:** Steve Riches
Organising Team:	Carolyn Short – KLA Andy Longford – PandA Europe Andy Bonner – Cupio Jeff Kettle – University of Glasgow	Heaklig Ayala – University of Warwick Andrew Holland – RFMOD David King – Alter Technology

Instructions for participation

We invite submission of abstracts in the following areas:

Research and Development Papers: 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 organising team. Abstracts covering a balanced range of the main conference topics will be selected and invited to provide an **Oral Presentation** (20mins + 5 mins questions) and **Poster Presentations** in the Exhibition area during the conference.

Students, **PDRAs** and **Early Career Employees** who submit an Abstract, accepted by the pOp4 Organising Team for Poster Presentation, will be offered **Free Entry** to the pOp4 Conference and will be eligible for a **Poster Award**.

Conference Topics – Linking Opto-Electronics Designers and Manufacturers

Market Directions	Academic Research and Development	Developing Applications	Advanced Packaging Technologies
• Big Data • Climate Change • Connected world • AI/ML/VR • 3D Printing • Coherent products	• Nano Technology • Detectors • Carbon nanotubes • PICs • Photonic Effects • Nonlinear Materials	• Greenhouse gas detection • Data Centres • 5G • Quantum Computing • Autonomous Vehicles • Space-CubeSat	• Sub-micron alignment • Heterogeneous Integration • Wafer Level Processes • Energy Efficiency • Renewable Packaging • Co-Packaged Optics

Those wishing to present their work at **pOp4** should submit an abstract of approximately 200 words, electronically to: office@imaps.org.uk by the deadline of **Friday 28th June 2024**.

Deadlines

Abstract submission (approximately 200 words)	Friday 28th June 2024
Acceptance of Abstracts for Oral and Poster Presentation	Friday 19th July 2024
Confirmed speaker biographies and photographs	Friday 20th September 2024
Final presentation prepared	Friday 11th October 2024

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