

Cardiff University

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What I do: I am establishing the first academic group in the UK to support the industry in developing integrated photonic devices and systems to meet the SpaceFibre standard

Abadia's Project Portfolio: EPSRC Photonic Integrated Modulators for Aerospace (EP/X011917/1) and EPSRC Integrated Photonic Phase Shifters for Aerospace (EP/Y00082X/1)

Project Partners: Airbus, ALTER Technology, Smiths Interconnect, STAR Dundee, Tyndall National Institute, VTT

What you can offer to a consortium: I can contribute to a roadmap for developing the next generation of products, including materials, packaging, device strategy, reliability, performance degradation, and system architecture, to meet the SpaceFibre standard over >40Gbps, outperforming current commercial products

What we would like to receive from other delegates:

1. Collaborative research opportunities
2. Industry insights and challenges
3. Access to testing facilities
4. Market and application insights
5. Regulatory and standards guidance

