

Robbie Mears

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Friday, 09/26, 11:00 am. Osborne A204

Anti-resonant hollow core fibres - design and fabrication



In this talk i will outline the principles behind anti-resonant hollow core fibres, how they work and the practical considerations in their fabrication. I will then outline some of the current work in our group on anti-resonant hollow core fibres, including gas absorption features, ultraviolet guiding fibres, multi-mode fibres and multi-core fibres.

Short Bio

Robbie Mears is pursuing his PhD degree at the University of Bath in the Centre for Photonics and Photonic Materials (CPPM) conducting research into anti-resonant hollow core fibres. He is currently interested in pushing the limits of anti-resonant fibres in challenging wavelength regions of the vacuum-ultraviolet and mid-IR as well as designing and fabricating novel microstructured fibres