Astrophotonic crystal fibres

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Talk abstract: In this talk I will review the optical properties of photonic crystal fibres. Potential applications within astrophotonics include multimode to single-mode transitions that allow the filtering of unwanted narrow spectral lines.

Speaker biography: Tim Birks is a Professor in the Physics Department at the University of Bath. He was a pioneer of the photonic crystal fibre, developing the original fabrication techniques while a postdoc at the University of Southampton. Current interests include post-processing PCFs and understanding their guidance mechanisms. He was elected Fellow of the Optical Society of America in 2007.