

Postdoctoral Research Associate/Fellow (Fourier and fibre optics)

Spatiotemporal properties of light in multimode optical fibre

School of Information Technology and Electrical Engineering (ITEE), The University of Queensland, Brisbane, Australia.

The University of Queensland (UQ) has a strong internationally focused research culture, and is currently ranked in the top 1% of world universities in three international University ranking systems. UQ is building a cluster of international-quality research centres and institutes that will keep it at the frontier of emerging research fields.

The role

We seek applications from suitably qualified candidates who will focus on the development of optical systems for the measurement and manipulation of the spatial, spectral and temporal properties of light in multimode optical fibre. The position is funded under an Australian Research Council (ARC), Discovery Project in collaboration with the *University of Southampton* and industrial partners *Nokia (Bell Labs, US)* and *Finisar Australia*.

Examples of previous work in this area available here : <https://www.youtube.com/user/joelacarpenter>

The person

The applicant should possess a PhD or postdoctoral experience in a relevant area of physics or engineering. Ideally candidates will be experienced with Fourier optics (especially SLMs), multimode fibre optics and free-space optics. Strong programming skills are desirable, particularly in Matlab, .NET, C, C++ and CUDA.

The successful applicant should have a strong desire to develop a successful and highly productive research career and possess good general research skills and writing abilities.

Remuneration

This is a full-time, fixed term appointment for 2-3 years. Initial appointment would be for 2 years. The salary package will range between Level A06-B01 (\$81,545.80-92,142.74 AUD/annum. Approx. 60-68k USD, 57-65k EUR, 48-54k GBP) plus employer superannuation contributions of 17%.

<http://www.uq.edu.au/current-staff/academic-staff-salaries-1-january-2017>

Enquires

To discuss this role please contact Dr. Joel Carpenter at j.carpenter@uq.edu.au

Position would commence no earlier than Monday 6th March 2017.

<https://www.youtube.com/user/joelacarpenter>