

Optical Fibre Communications Engineer - KTP Associate

Contract Type: Fixed Term (36 months)
Basis: Full Time
Closing Date: Monday 13 January 2020
Reference: R190546

This strategic project is an exciting 3 year opportunity for a PhD or MSc (plus industrial experience) graduate. The role takes the form of a Knowledge Transfer Partnership (KTP) (<http://www.ktonline.org.uk/>), with the support of mentors from Pulse Power and Measurement (PPM), Aston University and Innovate UK.

Pulse Power & Measurement Ltd has partnered with Aston University to develop an innovative optical transport system, which will use signal conditioning in the optical domain to deliver a lower loss, flatter signal profile required for long-distance diversity solutions and higher capacity LEO (low earth orbit) satellite constellation architectures

You will be based predominantly at Pulse Power and Measurement (PPM), Watchfield, Swindon. Pulse Power and Measurement designs and manufactures a wide range of Radio Frequency (RF) over fibre systems, which allow RF electrical signals to be transmitted over fibre optic cables. Find out more at <https://ppm.co.uk>.

You will be working in a project team with senior management teams at PPM and Dr Paul Harper and Dr Wlodek Forysiak at Aston University. Aston University's academic team is part of Aston's Institute of Photonics Technologies (AIPT), a world-leading centre for research in applicable methods for optical fibre and photonics.

The skills and knowledge developed during the course of the project will enhance your future career opportunities and provide you with good prospects for career development in the PPM team.

You will have a PhD in the field of optical fibre communications or an MSc with industrial experience. The ideal candidate will have a strong foundation in the use of specialist optical and RF test equipment with practical lab skills and experience of numerical modelling, along with:

1. Optical fibre simulation experience and a detailed knowledge of RF systems is highly desirable
2. Strong problem solving and analytical skills and experience.
3. Strong organisation and communication skills to take ownership of the project and ensure it progresses to achieve the agreed objectives.
4. Interpersonal skills to work closely with PPM staff across all functions to embed the skills through collaborative working.
5. Communication skills to be able to present project progress across the company.

This project is a Knowledge Transfer Partnership (KTP) funded by PPM and Innovate UK. As a KTP Associate you will have a dedicated £6,000 budget to access extensive Personal Development opportunities to support the project and your future career. To learn more go to www.aston.ac.uk/ktp.

For informal enquiries about this role please contact Dr Paul harper 0121 204 3525, p.harper@aston.ac.uk or email Pippa Seager, PPM HR Director, pseager@ppm.co.uk.

Further details:

[Job Details](#)

[University Information](#)

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Further particulars and application forms are available in alternative formats on request i.e. large print, Braille, tape or CD Rom.