

## **Research Fellow in the Commercialisation of Quantum Technology**

**Department of Physics and Astronomy  
University of Sussex - School of Mathematical and Physical Sciences**

**Fixed Term for 12 months with the possibility of an extension, full time**

**Salary range: starting at £32,548 and rising to £38,833 per annum**

**Expected start date: 01 July 2018 or as soon as possible thereafter**

Applications are invited for a full-time postdoctoral position in the commercialisation of quantum technologies. Applicants should have obtained a degree in physical sciences or engineering.

The development of novel devices based on quantum mechanical effects is a high priority research area in the UK. In the ITCM research group at Sussex, the utilisation of trapped ions for portable, optical atomic clocks and for quantum computation are investigated.

With a strong drive to commercialise these devices and their sub-systems, the groups has collaborations with major companies in laser development and vacuum components.

In particular novel sub-systems and components are early outcomes of the research and their commercialisation will have a significant impact of the research programme.

One projects aim to translation a diode laser based optical system for portable quantum technologies into a viable commodity.

The second project focuses on the development of optical fibre vacuum feedthroughs based on an existing systems.

Both projects are in close collaboration with an industry partner to facilitate the fast commercialisation of the respective components.

For further information please contact Prof Matthias Keller  
Phone: +44 (1273) 877673, email: M.K.Keller@sussex.ac.uk

**Closing date: 08 June 2019**

Please include with your completed application form a CV, at least two references and a list of relevant publications.

The University of Sussex is committed to equality of opportunity.