

PhD positions in Quantum Technology

Fully funded PhD positions for development of next-generation measurement devices and sensors using atomic and laser physics

Projects

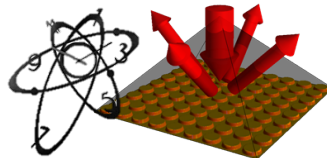
Magnetic Sensors

- Sensitivity at femtoTesla (10^{-15} T)
 - 10^9 weaker than Earth's magnetic field
- Ultra-precise measurement of brain activity



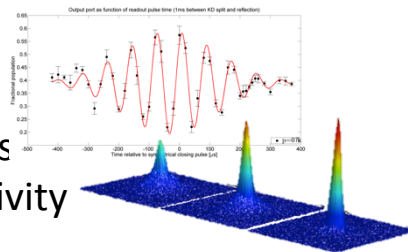
Atomic clocks

- Accurate to better than 1 second in 300,000 years
 - Improved GPS
 - Inertial sensing



Atom interferometry

- Use wave-like nature of BECs
- 10^{11} times increase in sensitivity
- Measure inertial forces
- Test for variation of fundamental constants



We offer

- £14,057 (2015-16) tax-free bursary
- Waiver of UK/EU fees
- Postgraduate training through SUPA
- Cutting-edge labs and equipment
- Join the #1 UK Physics Dept (REF)

We require

- Minimum 2.1 degree
- Enthusiasm and motivation for research
- Willingness for teamwork

Contact

Paul Griffin

paul.griffin@strath.ac.uk

Aidan Arnold

aidan.arnold@strath.ac.uk

Erling Riis

e.riis@strath.ac.uk