

Glasgow, January 2022

## Harold and Judith Rosenberg Chair in Quantum Technology

The University of Strathclyde in Glasgow, Scotland is initiating an international search to identify and appoint a suitable candidate to a recently endowed Chair in Quantum Technology. Mrs Judith Rosenberg (<https://www.heraldscotland.com/opinion/19045390.obituary-scotlands-last-survivor-auschwitz/>) was a long-term friend of the University and very interested in technology development in general, and Physics in particular. Through her will and in agreement with the executors of the estate we are able to create this professorial position and establish a named laboratory.

The [University of Strathclyde](#) has established a position as a leading international centre for Quantum Technology research and innovation, covering activities from fundamental and applied research through to technology development and industrialisation. It is our stated aim to create and nurture a vibrant and internationally competitive cluster of research and innovation based on Quantum Physics. We are committed to creating the translational ecosystem required to develop, test, validate and demonstrate disruptive quantum technologies, and respond to current and future market demand.

This position in Experimental Quantum Physics will be in addition to an ambitious expansion of the current academic activity in the [Department of Physics](#) and build on our core technical capabilities (quantum information processing and communication, atomic based quantum technologies including sensing, and underpinning photonics technology). Through our close integration with the UK National Quantum Technologies Programme we currently have in excess of 20 academic staff, more than 30 research staff and about 60 postgraduate students within the field of quantum technologies.

Our theoretical programmes across quantum and nonlinear optics and many-body physics complement a large experimental programme across cold atomic gases and solid state physics. The primary experimental interests in laser/atom interactions range from the application of cold atoms in quantum computing and quantum simulation through atom interferometry and atomic clocks to novel sensing modalities with thermal atoms. In addition we have recently launched new programmes in solid-state quantum nanoscience research and silicon technologies for quantum computing. In parallel with this we are advancing many of the underpinning photonics technologies in our Institute of Photonics, which is collocated with the Fraunhofer Centre for Applied Photonics. Further strategic partnerships include strong links to national and local industry and the National Physical Laboratory.

We are particularly looking for candidates aiming to lead research programmes that engage with the national and international Quantum Technologies landscape, including developing new external partnerships across academia and industry.

We encourage interested candidates to initiate informal discussions by contacting Prof. Erling Riis ([e.riis@strath.ac.uk](mailto:e.riis@strath.ac.uk)) or Prof. Andrew Daley ([andrew.daley@strath.ac.uk](mailto:andrew.daley@strath.ac.uk)). Enquiries received by 1<sup>st</sup> March 2022 will receive full consideration, but the search will continue till the position is filled.



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