This type of collaboration is a key element of our industrial strategy and will continue to keep us at the forefront of the global science race.

— David Willetts
Nano researchers to continue successfully working in a multitude of disciplines, including physics, chemistry, engineering and materials. This funding follows recent investments exceeding £200 million in support of Cambridge Nano research, and new buildings for the Cavendish Laboratory. The Centre will work with a raft of companies including Nokia and Unilever to help the UK develop a lead in exploiting NanoTechnologies. Director Professor Baumberg is delighted, commenting that "our high-calibre interdisciplinary student cohorts will be Nano’s future leaders”.

A Centre of Gas Turbine Aerodynamics is to be one of the newly-created CDTs, set to become an international centre of excellence aimed at training the next generation of leaders in research and industry. It will bring together the Universities of Cambridge, Oxford and Loughborough, along with the internationally successful companies Rolls-Royce, Mitsubishi Heavy Industries, Siemens and Dyson, and will be assisted by a team of experts from NASA and MIT. The centre is designed to support a sector which is currently responsible for the employment of 6.8% of UK manufacturing jobs, and which, over the next 20 years, is predicted to be worth in-excess of US$1,650 billion.

Other Cambridge CDTs are set to be developed or renewed in graphene, ultraprecision, future infrastructure and computational materials, as well as a photovoltaics Centre in partnership with the University of Liverpool and a phototonics Centre in partnership with UCL.

Paul Golby, EPSRC’s Chair, said: “Centres for Doctoral Training have already proved to be a great success and the model is popular with students, business and industry. These new centres will give the country the highly trained scientists and engineers it needs and they will be equipped with skills to move on in their careers.”

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Doctoral candidates from the Nanomaterials and Spectroscopy Group at the Electrical Engineering Division of the Department of Engineering

Credit: Sir Cam

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