



National Graphene Institute

MANCHESTER  
1824

The University of Manchester

## Lectureships in Condensed Matter Theory at the University of Manchester (UK)

Applications are invited for two Lectureships (equivalent to Assistant Professor) in Condensed Matter Theory at the School of Physics and Astronomy (P&A) of the University of Manchester (UK), for appointment in 2016. We are seeking to appoint theorists with outstanding records of research in condensed matter theory, theoretical nanoscience, low-dimensional systems, strongly correlated quantum systems, or solid state quantum optics. The appointees will be expected to carry out an original research program in the field of their expertise and, also, to collaborate with experimental activities carried out at the National Graphene Institute (NGI), a brand-new world-class science and technology centre with a broad scope of research in two-dimensional materials, quantum and classical nanoelectronics systems, sensors, optics/plasmonics, and multi-functional nanocomposites. They also will be expected to contribute to the taught program and supervision of PhD projects in the Centre of Doctoral Training Graphene-NOWNANO, while their teaching duties will be carried out within the School of Physics and Astronomy.

Condensed matter theory effort in P&A, and NGI is led by Prof. V. Fal'ko, and it encompasses studies of electronic, magnetic, optical and thermoelectric properties of two-dimensional materials and mesoscopic systems. We envisage a further expansion of these activities as well as broadening their scope towards new materials discoveries, strong correlations, multiscale modelling of kinetic processes in strongly non-equilibrium systems, and solid state quantum optics. In parallel, we aim at extending the available range of theoretical methodologies applicable to the modelling of condensed matter systems. Computational resources at Manchester include CIR ecosystem and Polaris HPC facility of the N8 Alliance of the universities in the North of England.

Application forms (HR REF: EPS-07679) and further particulars are on  
[www.jobs.manchester.ac.uk/displayjob.aspx?jobid=10981](http://www.jobs.manchester.ac.uk/displayjob.aspx?jobid=10981).

The closing date for applications is 1 May 2016

With your application you should upload a single file containing your CV, full list of publications, and a research statement (maximum 2 pages). Informal enquiries may be made to Professor Vladimir Fal'ko at [vladimir.falko@manchester.ac.uk](mailto:vladimir.falko@manchester.ac.uk) or +44 1613061459 or +44 7930605406.

The University of Manchester values a diverse workforce and welcomes applications from all sections of the community, and we particularly welcome applications from women for this post. Appointments will always be made on merit. The School of Physics and Astronomy is committed to promoting equality and diversity, including the Athena SWAN charter for promoting women's careers in science, technology, engineering, mathematics and medicine in higher education: [www.physics.manchester.ac.uk/about-us/equality-and-diversity/](http://www.physics.manchester.ac.uk/about-us/equality-and-diversity/).