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The University of Manchester

National Graphene Institute

Postdoctoral Research Associates Condensed Matter Theory and 2D Materials Modelling

Applications are invited for 3 Postdoctoral Research Associates posts in condensed matter theory to study physical properties (electronic, magnetic, optical and thermoelectric) of two-dimensional materials, their heterostructures, and mesoscopic systems based on such materials.

The appointments will be, initially, for 2 years (extendable into two more years subject to outstanding performance) and based at the National Graphene Institute (NGI), a brand-new world-class science and technology facility with a broad scope of research in two-dimensional materials. The starting dates for these appointments are expected to be between early March and the end of October 2016.

We seek for theorists with an active interest and excellent track record of publications in physics of low-dimensional materials (using field-theory methods or *ab initio* modelling), theoretical nanoelectronics, strongly correlated quantum systems, or quantum optics.

These posts are co-funded by Lloyd Register Foundation Nanotechnology Program, European Research Council Synergy Grant Hetero2D, European Graphene Flagship, and EPSRC Engineering Grand Challenges Program which involve collaboration with experimental groups at NGI, Cambridge Graphene Centre, and numerous Graphene Flagship partners in Europe.

For informal enquiries, contact NGI Research Director Professor Vladimir Fal'ko, who will supervise the involved research projects [email: vladimir.falko@manchester.ac.uk; telephone: +44 (0)161 306 1459].

Application forms (HR REF: EPS/07443) and further particulars are on
www.jobs.manchester.ac.uk/displayjob.aspx?jobid=10745.

The closing date for applications is **1 February 2016**.

With your application you should submit/ upload a single file containing your CV, list of publications, and a brief research statement.

The University of Manchester values a diverse workforce and welcomes applications from all sections of the community. 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. The School received a Bronze Athena SWAN Award in 2013 for its commitment to the representation of women in the workplace and we particularly welcome applications from women for this post. Appointments will always be made on merit. For further information, please visit www.physics.manchester.ac.uk/about-us/equality-and-diversity/.