

Lectureship in Condensed Matter Theory at Lancaster University – AA11

The Physics Department at Lancaster University is seeking outstanding candidates for the lectureship in condensed matter theory focused on research in graphene and graphene-based systems. This new post is funded in part by EPSRC, Lancaster University and HEFCE through the Manchester-Lancaster Science & Innovation Award ‘Maximising Impact of Graphene Research on Innovation through Materials Science, Chemistry, and Engineering’. The research activities of the new lecturer will complement the programme of graphene-related studies run in the Lancaster Centre for Nanoscale Dynamics and Mathematical Physics by Dr E McCann, Dr V Cheianov, Dr H Schomerus, and Prof V Falko.

The successful candidate will be an active researcher with an outstanding research and publication record in condensed matter theory or theoretical materials science (with specialisation in nanoscience, strongly-correlated systems, quantum transport, electronic and magnetic properties of solids, nanomechanics). The candidate will have to produce a research statement outlining a broad scope of his/her future research and including an original programme on graphene-based systems demonstrating an already vested interest in the science of graphene and experience relevant for modelling physical properties of graphene-based devices.

The post is available from 1 October 2009, though the start date may be postponed until 1 January 2010. The salary of the successful candidate will depend on his/her experience [from £36,000 to £43,000 p.a.], and the contract will be subject to a 3-year probationary period. Lancaster University is an equal opportunity employer. Applications forms (ref. number AA11) are available at the website www.personnel.lancs.ac.uk/CurrentVacancies.aspx. All candidates are asked to provide a CV, list of publications, one-page research statement, and names of 3 referees (to be contacted only for shortlisted candidates). For informal enquiries one may contact Prof V Falko (v.falko@lancaster.ac.uk) directly. The deadline for applications will be 19 July, 2009.



**Two Postdoctoral Positions at Lancaster University
'theory of graphene and graphene-based nanostructures'
AA12**

The Physics Department at Lancaster is filling two EPSRC-funded postdoctoral posts (Research Associate) aiming to develop the theory of the physical properties of graphene and to model graphene-based devices. Successful candidates will join the Lancaster Centre for Nanoscale Dynamics and Mathematical Physics which includes Dr E McCann, Dr V Cheianov, Dr H Schomerus, and Prof V Falko. Applicants should hold a PhD in condensed matter theory or theoretical materials science (with specialisation in one of the following fields: quantum transport, quantum Hall effect, magnetism, semiconductors, theory of strongly correlated systems, nanomechanics). Training in Green functions techniques and analytical skills will be considered as an essential requirement, while computational skills and acquaintance with graphene theory is desirable but not compulsory.

Each of the two posts is for 36 months, and both are available from 1 October 2009. The salary of the successful candidates will depend on their experience [£27,000 to £33,000 p.a.], and the contract will be subject to a 9-months probationary period. Lancaster University is an equal opportunity employer. Application forms are available at the website www.personnel.lancs.ac.uk/CurrentVacancies.aspx (ref number AA12). All candidates are asked to arrange for two reference letters to be sent directly to Prof V Falko, by email v.falko@lancaster.ac.uk, fax +44 1524 844037, or mail: Physics Department, Lancaster University, Lancaster, LA1 4YB, UK. For informal enquiries one may contact Prof V Falko directly. The deadline for applications will be 12 July 2009.

