Phd position: Realisation of a spintronic device based on ballistic carrier transport in graphene nanoribbons.

I am looking for an talented Phd candidate who (nearly) completed his/her Master of Science in experimental physics and is interested in a challenging 4 year research project within the EEC graphene flagship program “all-graphene spintronic prototype-device based on ballistic carrier transport in epitaxially grown graphene nano ribbons on SiC templates”. The main subject of research is to study the electronic structure and the magnetic behaviour of quasi one-dimensional epitaxial graphene systems with local scanning probe techniques, photo-emission and other spectroscopy techniques to explore the options to tailor the ferromagnetic behaviour of the graphene nano ribbons.

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