



AGH

AGH University of Science and Technology

*Looking for an interesting post-doc position in
condensed matter physics?*

Academic Centre for Materials and Nanotechnology
is currently seeking to recruit a:

POSTDOCTORAL RESEARCHER

founded within research grant of National Science Centre, Poland.

JOB DESCRIPTION

Functional Materials and Nanostructures research line and Laboratory of Ultra Low Temperature Physics are conducting joint research project „Magnetotransport properties of nanostructured crystals of canonical topological insulators”. Postdoctoral researcher will be involved in characterization of TI single crystals by means of scanning probe and electron microscopy, formation of nanostructures by means of focussed beam techniques, and electronic transport study at extreme temperature and magnetic field.

However, depending on candidate's experience and preferences, her/his main mission will be:

- **experiments using STM/STS and magnetotransport study,**
and/or
- **theoretical modeling of STM/STS, magnetoresistance and Hall effect.**

PROFILE, SKILLS AND EXPERIENCE

- PhD in physics, chemistry or related discipline hold for not longer than 7 years or to be received before the starting date of employment,
- experience in either STM/STS or magnetotransport measurements or theoretical modelling of electronic properties,
- proven track record of research and good presentation skills,
- good time management and ability to prioritize,
- ability to work as part of a multi-disciplinary team,
- proficiency in English (knowledge of Polish is not required).

OUR OFFER

Stimulating working environment – interdisciplinary team of scientists, state-of-the-art experimental facilities, free access to supercomputing facility. Full time employment and additional research funds covered by grant. Tentative starting date of employment on October 1, 2016. Annual gross salary of approx. 70 450 PLN. Six months initial contract, expendable until December 31, 2018.

COMMENTS

Applications are accepted until September 10, 2016.
Documents shall be sent to the Academic Centre for Materials and Nanotechnology of AGH-UST (post: Al. Mickiewicza 30, 30-059 Krakow, Poland; email: acmin@agh.edu.pl; remark/subject: Post-Doc NanoTI)
Additional information: Marcin Sikora (marcin.sikora@agh.edu.pl)