

JOHANNES GUTENBERG-UNIVERSITÄT MAINZ - 55099 Mainz

**Junior research leader position in theoretical ab-initio Spintronics,
Johannes Gutenberg Universität Mainz, Germany
(EG13 TV-L with the possibility of becoming permanent)**

We are pleased to announce an opening for a research leader position in theoretical condensed matter in the Institute of Physics of the Johannes Gutenberg Universität Mainz starting in the Spring of 2016 or later **working on spintronics ab-initio transport studies and ab-initio code development in complex spintronics materials**. The appointment involves research in the group of **Prof. Dr. Jairo Sinova** and the newly founded SPIN+X SFB in direct collaboration with the experimental and theoretical research partners in Mainz and in the Technical University Kaiserslautern. The Sinova group conducts research in a broad range of topics related to spin phenomena and theoretical condensed matter physics.

An excellent background in theoretical computational techniques in condensed matter and materials theory is required. Also prior experience in ab-initio code development, spin-dependent ab-initio and microscopic numerical calculations, and spin-transport calculations, as well as studies of topological spin-orbit coupled materials, is expected. Further information can be found on the website, <http://www.sinova-group.physik.uni-mainz.de/>, <http://www.spice.uni-mainz.de/>, and <http://www.uni-kl.de/trr173/home/>. The prospective group member must hold a MSc or equivalent diploma and must have completed a PhD program in theoretical physics. The initial appointment is for two years with renewal or tenure (position becoming permanent) contingent upon mutual agreement.

The research leader will have a strong degree of independence and responsibility of his/her own subgroup, which is expected to be eventually supported partially or fully by external funding obtained by him/her. The position incorporates also leadership opportunities within the Spin Phenomena Interdisciplinary Center (SPICE).

The Johannes Gutenberg University Mainz endeavors to increase the number of women employed in academic institutions and therefore openly invites applications from female researchers. Disabled applicants with adequate qualification will be given preferential treatment.

Review of applications will begin immediately and will continue until the position is filled. Interested applicants should send a curriculum vitae, a list of publications, and three letters of recommendation to sinova-group@uni-mainz.de. When sending applications please refer to in the subject line "SPIN+X ab-initio spintronics researcher leader application". The application deadline is 29.02.2016.

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