Universität Hamburg
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UHH · MIN-Fakultät · FB Chemie
Grindelallee 117 · 20146 Hamburg

Prof. Dr. Gabriel Bester
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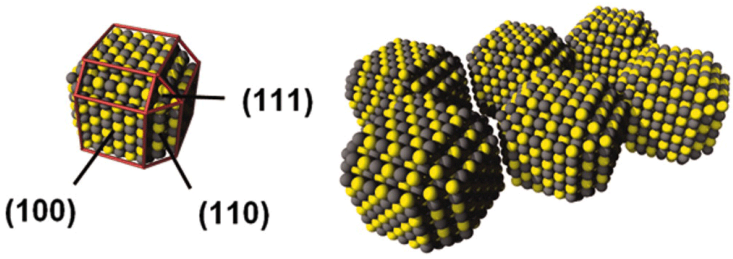
PhD position at University of Hamburg in the group "Theory of nanoscopic systems" (2D)

The degree will be obtained either in the physics or chemistry department, depending on the candidate's background. The successful applicant will join the group of Prof. Bester and work on a research project concerned with novel 2D materials including 2D semiconductors and 2D arrays of nanoparticles. We aim at a fundamental understanding of their excitonic (optical) properties, including the influence of the coupling between the constituting entities.



We expect a Master's degree or equivalent in physics, chemistry or related disciplines, preferably in the fields of theoretical condensed matter research or quantum chemistry. A candidate experienced with one or more of the following topics will be given priority:

• (TD) DFT • Theoretical Quantum Chemistry • Optical Properties, spectroscopy, semiconductors.

Applications including a CV, a documentation of academic record, a brief description of the Master thesis project, a motivation letter should be sent in a single pdf file to: e-mail: marie.meins@chemie.uni-hamburg.de with subject: 2D PhD application

The position can start as soon as possible.

More information can be found at:

Group Web Page: www.chemie.uni-hamburg.de/pc/bester/index.html
Relevant Publication: *2D materials and van der Waals heterostructures*, Novoselov *et al.*, Science **353** 6298 (2016)

The University of Hamburg is committed to employing more handicapped individuals and especially encourages them to apply. The University of Hamburg seeks to increase the number of women in those areas, where they are underrepresented and therefore explicitly encourages women to apply.