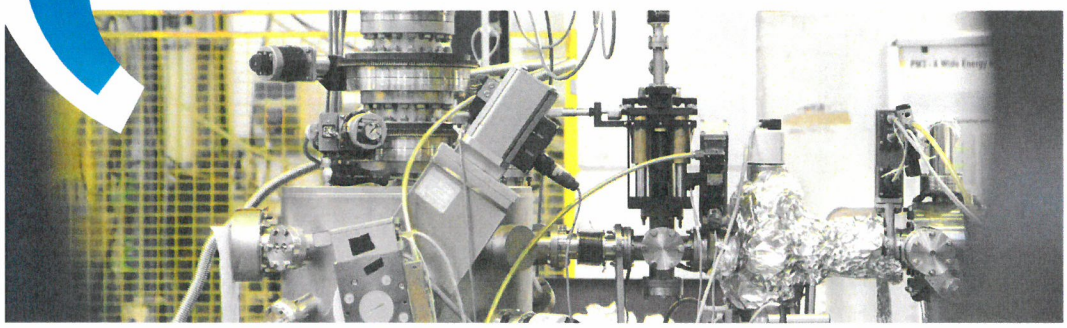
HZB Helmholtz Zentrum Berlin

Member of the Helmholtz Association



For our Institute Soft Matter and Functional Materials, we are looking for a

PHD-STUDENT (F/M)

(Master/Diplom in Theoretical Physics or Theoretical Physical Chemistry).

Topic of the doctoral thesis:
"Theoretical Modeling of Lithium-Sulfur Batteries "

Job description

- Theoretical investigation of ionic charge transport in Lithium-Sulfur Batteries
- Characterization of structure and dynamics of ionic liquids in porous media by molecular dynamics computer simulations and reaction-diffusion equations
- Direct comparison to in-house experiments

Your qualifications

- Hold a Master's degree (or equivalent) in Theoretical Physics of Theoretical Physical Chemistry and have demonstrated an outstanding academic performance
- Experience in the field of molecular dynamics computer simulations of complex fluids and nonequilibrium classical statistical mechanics
- Excellent knowledge in English
- Excellent knowledge in programming and scripting
- Interdisciplinary team working skills with high independency

What we offer

Fixed term contract for 3 years. The employment contract is based on contracts for the German civil service (TVöD-Bund). We particularly welcome applications from women. Preference will be given to severely disabled applicants provided equal qualifications.

How to apply

Have we sparked your interest? Then we look forward to receiving your electronic application by June 28, 2015. Please quote the reference number EM 2015/17.
jobs@helmholtz-berlin.de

Helmholtz-Zentrum Berlin für Materialien und Energie GmbH
Hahn-Meitner-Platz 1, 14109 Berlin

For German version, please check our website.
www.helmholtz-berlin.de

Moritz Badel
Leiter Abteilung
Personal und Soziales

Helmholtz-Zentrum Berlin für Materialien und Energie (HZB) operates two large scale facilities for materials research: the neutron source BER II and the synchrotron source BESSY II, which provide deep insights into the structure of materials and the processes within complex systems. Each year around 3,000 scientists use the HZB infrastructure facilities. Important focuses of HZB are accelerator, materials and energy research.

SCIENCE + CAREER+ DIVERSITY = HZB

... is the formula for our successful human resources policy. We offer wide-ranging internal and external training programs for our employees as well as a special support program for young scientists. Our family-friendly workplace policy includes flexible working hours, telework arrangements and holiday programs for employees' children.

CONTACT FOR FURTHER INFORMATION:

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Zertifikat seit 2011 audit berufundfamilie

INTERNATIONAL APPLICANTS WELCOME!