

## **Postdoctoral Position in joint Shenzhen/Beijing/Bremen-Projects on Correlated Electron Materials**

The Shenzhen Computational Science and Applied Research (CSAR) Institute jointly with the Beijing Computational Science Research Center (CSRC) and the Bremen Center for Computational Materials Science (BCCMS) at University of Bremen invite applications for a Postdoctoral Research Position in the field of

### **Correlated Electron Materials: with Applications to**

- **Electron Correlations in Catalysis**
- **Collective Correlations in 2D bi-layer Materials**

Applicants should hold a PhD in Computational Physics/Chemistry not longer than 4 years ago and have strong background in the development and use of advanced electronic structure theory and computational many-body methods like scf Dynamic Hubbard or DFT/DFTB+Gutzwiller approach for explaining and predicting properties of correlated electron materials. Good skills in Fortran and Python, and a good command of English are expected.

Successful candidates will work in the newly opened branch of CSRC in Shenzhen with extended periods of research at BCCMS in Bremen, Germany. We offer competitive salary ranging between 350 and 500 k-RMB per annum after TAX and we expect strong commitment, excellent communication skills and ability to work with highly qualified professionals with international backgrounds.

Postdoctoral Research Scientists at Shenzhen/Beijing CSAR/CSRC and BCCMS Bremen are typically appointed for an initial 2 years period, with a possible extension for an additional year. **Promotion to a Research Assistant Professor is possible depending on the qualification and excelency of scientific record of applicants. Candidates having potential to apply within the Young Researcher 1000-Talent Program are particulary encouraged to submit applications.**

Applications, including Motivation Letter, CV, Academic Record, Major Achievements, list of publications, 3 Reference Names, have to be sent in the above order within a single pdf package to Prof. Thomas Frauenheim - [frauenheim@bccms.uni-bremen.de](mailto:frauenheim@bccms.uni-bremen.de) until January 31st 2020. Review of applications will start in February 2020.

### **Prof. Dr. Thomas Frauenheim;**

Computational Science and Applied Research Institute (CSAR) Shenzhen,  
Beijing Computational Science Research Center (CSRC) and  
Bremen Center for Computational Materials Science (BCCMS), University of Bremen