



**POSTDOCTORAL FELLOW POSITION**  
**Materials Theory and Design**  
**NYU Shanghai**

---

We invite applications for a postdoctoral fellow position, under the supervision of Prof. Hanghui Chen, in the group of materials theory and design at New York University Shanghai ([www.hanghuichen.org](http://www.hanghuichen.org)). This position focuses on the study of emergent phenomena in oxide heterostructures, in particular those related to charge transfer, quantum confinement and high pressure.

Highly motivated candidates holding a PhD degree in physics, materials science, chemistry or other closely related fields (at the time of appointment) are strongly encouraged to apply. Prior experience in electronic structure calculations at the DFT-level and programming is necessary. Familiarity with many-body theory, in particular, Dynamical Mean Field Theory (DMFT) is highly desirable. The successful candidate is anticipated to make close ties with experimental works in New York University (NYU, New York), East China Normal University (ECNU, Shanghai) and Center for High Pressure Science and Technology Advanced Research (HPSTAR, Shanghai).

The review of applications will begin immediately and continue until the position is filled. The starting date is flexible. Salary and benefits are competitive and commensurate with qualification. The position term is for 12 months initially, with possibility of extension.

To be considered, all applicants need to submit a CV with a full publication list, and the names and email addresses of at least two references. Applications will be reviewed as received. Please visit our website at <http://shanghai.nyu.edu/about/work/fellowships> for instructions and other information on how to apply. If you have any questions, please e-mail [hanghui.chen@nyu.edu](mailto:hanghui.chen@nyu.edu).

*About NYU Shanghai:*

NYU Shanghai is the newest degree-granting campus within New York University's global network. It is the first higher education joint venture in China authorized to grant degrees that are accredited in the U.S. as well as in China. All teaching is conducted in English. A research university with liberal arts and science at its core, it resides in one of the world's great cities with a vibrant intellectual community. NYU Shanghai recruits scholars *of the highest caliber* who are committed to NYU's global vision of transformative teaching and innovative research and who embody the global society in which we live.

NYU's global network includes degree-granting campuses in New York, Shanghai, and Abu Dhabi, complemented by eleven additional academic centers across five continents. Faculty and students circulate within the network in pursuit of common research interests and cross-cultural, interdisciplinary endeavors, both local and global.

NYU Shanghai is an equal opportunity employer committed to equity, diversity and social inclusion. We strongly encourage applications from individuals who are under-represented in the profession, across color, creed, race, ethnic and national origin, physical ability, and gender and sexual identity. NYU Shanghai affirms the value of differing perspectives on the world as we strive to build the strongest possible university with the widest reach.

EOE/AA/Minorities/Females/Vet/Disabled/Sexual Orientation/Gender Identity Employer