

◇Opening a Project Researcher position  
Creation of new functional Devices and high-performance Materials to  
Support next-generation Industries,  
Institute for Materials Research, Tohoku University◇

To promote CDMSI (Creation of new functional Devices and high-performance Materials to Support next-generation Industries) program, the Institute for Materials Research, Tohoku University has been seeking for a highly qualified researcher from the world over. We announce an opening position for a postdoctoral position and encourage to apply.

1 Research and Job specifications

- (1) Development of original application programs for computational materials science: target area includes various fields of computational materials physics and computational materials engineering for functional materials and structural materials.
- (2) Implementation of phase-field simulations of alloy solidification or molecular dynamics simulations of solid/liquid system for the K supercomputer in collaboration with a research group in CDMSI (Prof. M. Ohno at Hokkaido Univ., Prof. Shibuta at Univ. of Tokyo and Prof. Takaki at Kyoto Inst. Tech.) .

2. Opening

Post-doctoral Researcher; 1 person

3. Qualification

Ph.D or equivalent in the area of Physics, Materials Science, Mechanical Engineering with the background of computational science

4. Term of the employment

Jan. 1, 2019\* – March 31, 2020.

\*Starting date is negotiable.

5. Location

His/her office is located at IMR (Institute for Materials Research), but for the fiscal year of 2019 (April 2019- March 2020), his/her affiliation may be changed from IMR to one of the three places mentioned above.

## 6. Selection/Nomination

Selection is based on documents listed below and interview\*

Interview is via either Videoconferencing system or PC online Skype system.

## 7. Application documents

- Curriculum Vitae
- Publication list
- Certificate of Ph. D degree
- Summary of research activities (including the experience of computer programming within 2pages/A4)
- future scope of research works (within 2 pages/A4)

## 8. Allowances and Benefits

In addition to salary, commuting benefit is paid and social insurance is secured.

5 working days (equivalent to 38hours45mins)

## 9. Address to submit application documents

Personnel section, Institute for Materials Research, Tohoku University  
2-1-1 Katahira, Aoba-ku, Sendai, 980-8577 Japan

\*on top of the envelope, specify in red

“Application of Postdoctoral fellow, CDMSI”

## 10. Application deadline

**The deadline is October 31, 2018.**

## 11. Contact information for inquiries

Professor Tomohiro Takaki

Faculty of Mechanical Engineering,

Kyoto Institute of Technology

Tel: +81-75-724-7317 email: takaki@kit.ac.jp

## 12. Others

Note we will not send you back application package. Application documents are/will not be used except for the selection purpose.