

**Specially-appointed Assistant Professor in Institute for Materials Research,  
Tohoku University**  
**Professional development Consortium for Computational Materials Scientists**

October 13, 2016

In August 2015, Tohoku University, The University of Tokyo, Institute for Molecular Science and Osaka University established partnerships under a MEXT program, building a consortium for developing human resources in science and technology. The consortium, named as “Professional development Consortium for Computational Materials Scientists (PCoMS)”, encourages young researchers to achieve cross-disciplinary research works by joining more than two institutes under PCoMS. They are expected to acquire the knowledge of materials science, condensed matter physics, molecular science and materials design, and to lead the future global academic community of high-performance computing technology for computational materials science. We encourage such highly motivated young researchers to join the consortium through the following application.

1. Target Research Areas

Job Type	Specially-appointed Assistant Professor (Full-Time· <i>Nontenured</i> )
No. of Position	1
Affiliation	Main affiliation: Institute for Materials Research (IMR), Tohoku University Potential institutes for cross appointments/long term visits: 1. Institute for Solid State Physics, University of Tokyo 2. Institute for Molecular Science 3. Institute for Nano Science Design, Osaka University
Research Fields	Computational Materials Science (A research by means of high-performance computing technology for creating new field of computational science based on materials science, materials design, molecular science and condensed matter physics.)
Term	February 1, 2017 – March 31, 2020
Employment Conditions	Standard working conditions for faculty members of IMR are applied. For the cross-appointment/long term visits, the details

	have been discussed with the three institutions.
Opening date of the position	February 1, 2017

## 2. Qualifications

Requirements for the position:

- (1) Applicants should hold a Ph. D that was acquired after April 1, 2006\*, and should be under 40 years old\*\* as of April 1, 2016.
- (2) Research and education capabilities about the target research fields
- (3) English proficiency in oral and written communications, and capabilities of the education in English.
- (4) Starting immediately after the appointment, no later than March 31, 2017.

Note:

\*Even if an applicant had intervals as maternity leave and/or child-care leave, and the term from receiving a Ph. D degree is less than 10 years excluding the intervals, she/he can apply to the position.

\*\*Due to eligibility requirements for subsidies from MEXT's 2015 consortium development project for the training of scientific and technical personnel.

## 3. Employment Conditions

- Annual salary will be determined in accordance with Salary Regulations of IMR, Tohoku University.
- Annual research fund amounting to 1.8 million JPY for the first academic year and 1.0 million JPY for the second academic year will be granted.
- No less than 70% of work effort will be dedicated to research.
- Various training programs to participate is available.

Note:

- ※ There are possibilities that the research fund is reduced depending on the national budget.

## 4. Selection Process

A selection committee at Institute for Materials Research and an expert

committee at Professional development Consortium for Computational Materials Scientists (PCoMS) will examine application documents and conduct interviews.

#### 5. Result Notification

Results of the selection will be notified to all applicants by e-mail.

#### 6. Application Instructions

- Deadline: The application materials must be arrived by Nov. 17 (Thu.), 2016 at 17:00 (Japan time).
- Send the application materials by registered mail to:  
Professional development Consortium for Computational Materials Scientists (PCoMS), Institute for Materials Research, Tohoku University,  
2-1-1 Katahira, Aoba-ku, Sendai 980-8577, Japan  
(Please write “Application for PCoMS” in red on the envelope.)

Notes:

- ※ If it takes time to send the documents by airmail from foreign countries to us, please inform us by e-mail. We will consider the situation.

#### 7. Documents to submit

- (1) Curriculum Vitae with photo
- (2) Summary of research activities (within 2pages/A4)
- (3) Research proposal (within 2pages/A4)
- (4) Publication and presentation lists  
(Original papers, proceedings of international conference, books and articles, invited lectures, etc. Three representative papers must be indicated with circles in the publication list.)
- (5) Two copies of each three representative papers
- (6) Names, affiliations, and e-mail addresses of two references
- (7) Certificate of Ph.D degree

#### 8. Inquiries

Inquiries are addressed to:

Yayoi Terada

Specially-appointed Associate Professor

at terada\_at\_imr.tohoku.ac.jp (change \_at\_ to @)

#### Notes

- ※ Personal information contained in the application documents will be used only for the purpose of selection and recruiting procedure, never for any other purposes without applicants' consent. The documents will not be returned to you.
- ※ Expenses needed to apply for this project shall be borne by applicants in principle.
- ※ We support a gender-equal society. We hope that many female researchers will apply for the position.