

**Professional development Consortium for Computational Materials  
Scientists (PCoMS)  
Specially-appointed Assistant Professor in Institute for NanoScience  
Design (INSD), Osaka University**

In August 2015, Tohoku University, The University of Tokyo, Institute of Molecular Science and Osaka University decided to establish 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)”, carries out scientific collaborations among more than two institutes in the consortium and promotes development and securement of excellent young researchers who will lead the future global academic community of high-performance computing technology for computational materials science and create new field based on materials science, condensed matter physics, molecular science and materials design. We encourage such highly motivated young researchers to join the consortium through the following application.

1. Target Research Areas

Code. No.	OSAKA-INSD-1001
Job Type	Specially-appointed Assistant Professor (Full-Time)
No. of Position	1
Affiliation	Institute for NanoScience Design (INSD), Osaka University (Address: 1-3 Machikaneyama, Toyonaka, Osaka 560-8531, Japan)
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, condensed matter physics, molecular science and materials design.) • Candidate institutes for internship under the

	<p>cross-appointment system or under the long-term stay (Details of the cross-appointment system and the long-term stay will be decided by the agreement among the three institutes.)</p> <ul style="list-style-type: none"> <li>➤ The Institute for Solid State Physics (ISSP), The University of Tokyo</li> <li>➤ Institute of Molecular Science (IMS), National Institutes of Natural Sciences</li> <li>➤ Institute for Materials Research (IMR), Tohoku University</li> </ul>
Term	December 1, 2015 – March 31, 2020
Employment Conditions	<p>Discretionary labor system: Working hours are at the discretion of the worker with the standard working hours from 8:30 (starting time) to 17:15 (ending time).</p> <p>Holidays are Saturdays, Sundays, National Holidays and any other days set by Osaka University.</p>
Starting date	December 1, 2015 or the earliest possible date after December. 1, 2015.
Salary	Commensurate with experience and skills, in accordance with the Salary Regulations for National University Corporation Osaka University Limited Term Staff subject to Annual Salary System (Specially-appointed staff, etc.)
Social Insurance	Eligible for MEXT mutual aid association membership, employment insurance, and workers' accident compensation insurance Japan's Ministry of Education, Culture, Sports, Science and Technology
Others	None

Notes:

※ Starting date can be re-arranged taking individual conditions into consideration.

## 2. Qualifications

Requirements for the position:

- (1) Applicants should hold a Ph. D that was acquired after April 1, 2005, or have equivalent research experience, and should be under 40 years old as of April 1, 2015.
- (2) Research and education capabilities about the target research fields
- (3) English proficiency in oral and written communications, and capabilities about the education in English.
- (4) To start works until March 31, 2016

Notes:

- ※ If you had intervals as maternity leave and/or child-care leave, and the term from receiving a Ph. D degree or equivalent degrees is less than 10 years excluding the intervals, you can apply to the position.
- ※ Any nationality is acceptable.

### 3. Employment Conditions

- Annual salary will be determined in accordance with Salary Regulations for National University Corporation Osaka University Limited Term Staff Subject to Annual Salary System (Specially appointed Staff, etc.)
- Research fund for initial investments will be granted for the first two academic years.
- One research assistant (Postdoctoral fellow) can be employed.
- No less than 70% of work effort will be dedicated to research.
- Participating in various training programs is available.

Note:

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

### 4. Selection Process

Selection committees at the Professional development Consortium for Computational Materials Scientists (PCoMS), and Institute for NanoScience Design (INSD) will examine application documents focusing on academic achievements and research plans, and will conduct interviews for evaluating their potential to become leading figures in the future global academic community.

## 5. Result Notification

Results of the selection will be notified to all applicants by e-mail. Please note that information on the process of the selection and reasons for pass/fail will not be provided.

## 6. Application Instructions

- Deadline: the application must arrive by 15, October 2015 at 17:00 (Japan time).
- All documents needed must be gathered into one pdf file and attached to the email to the following address:

Address: Office of the Professional development Consortium for Computational Materials Scientists (PCoMS), Institute for NanoScience Design (INSD), Osaka University, 1-2 Machikaneyama, Toyonaka, Osaka 560-8531, Japan.

E-mail: recruit\_pcoms\*insd.osaka-u.ac.jp (Please replace "\*" with "@".)

E-mail subject: [Application for PCoMS - Code No. \*\*\*\*] First name, last name

### Notes:

- ※ The application documents directly brought to the PCoMS office will not be accepted.
- ※ If you do not receive the response from us within a week, please contact the following address by e-mail.

## 7. Documents to Submit

- (1) Curriculum vitae with a photograph
- (2) Summary of scientific achievements (within 2 pages on A4 paper)
- (3) Research plan during this project (within 2 pages on A4 paper)
- (4) List of publications (original papers, proceedings for international conferences,

books and reviews, invited talks, and the others. Put ○ for three representative papers. It is highly encouraged to indicate citation numbers.

- (5) Reprints or copies of three representative papers.
- (6) Names and contact information of two people to whom we can refer for your career.
- (7) Graduation certificate of Ph.D. degree or equivalent degree

## 8. Contacts

Please contact via e-mail concerning to the applications, not telephone.

Professor Hiroshi Katayama-Yoshida,  
Graduate School of Engineering Science, Osaka University,  
hiroshi\*mp.es.osaka-u.ac.jp (Please replace "\*" with "@".)

## 9. Notes

- ※ Personal information contained in the application documents will be used only for the purpose of selection and recruiting procedure, never for any other purpose without applicants' consent. The documents will not be returned to you. We ask you for your understanding.
- ※ 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.