

WPI Advanced Institute for Materials Research (AIMR) of Tohoku University
Nano-Devices/Processing Laboratory (Orimo Lab)
Recruitment of Postdoctoral Researchers/Assistant Professor

Outline of Institute:

Tohoku University WPI Advanced Institute for Materials Research (AIMR) was established on October 1, 2007 following the adoption of the International Advanced Materials Science Research Center Plan, which we proposed, and was included as one of the top five programs, to the World Premier International Research Center Initiative (WPI Program) run by the Ministry of Education, Culture, Science and Technology.

The Center, which is based on the concept of combining physics, chemistry, material science, engineering and mathematics by way of an innovative method of atomic and molecular control, is committed to pursuing (1) the creation of superior new compounds and materials with innovative functions, (2) the construction of devices based upon new materials and a new fundamental paradigm, and (3) establishing materials system architecture that will generate direct societal impacts. With world-leading researchers working under an innovative system in a favorable environment, the Center aims to produce tangible world-class results and become a hub of materials science research.

Content of Research and Qualifications:

Two postdoctoral researcher positions (one may be an assistant professor position) are available for highly-motivated researchers to develop advanced energy-related materials/devices mainly using hydrides and their processing in Nano-Devices/Processing Laboratory, where Prof. Shin-ichi Orimo serves as a Principal Investigator (<http://www.hydrogen.imr.tohoku.ac.jp/en/index.html>). We seek a talented young researcher to be appointed for his/her second or first postdoctoral position. The candidate must possess a good range of materials/devices development and characterization skill evident by peer-reviewed publications in reputable journals. An experience in hydride syntheses and characterizations will be an advantage.

Research Fields:

1. Material Engineering 2. Nano/Micro Sciences 3. Process/Chemical Engineering

Number of Positions:

2 Postdoctoral Researchers (one may be considered as an Assistant Professor)

Treatments:

- (1) Salary: Annual income system is employed according to the regulation of Tohoku University
- (2) Research fund: Cooperative research together with the PI who manages the research fund
- (3) Term: 1 year, but renewal is possible through review up to 3 years
(In case of Assistant Professor, basically till March 31, 2017; reviewed every 2 years)

Deadline for Application:

January 31 (Thursday), 2013

Starting Date:

February 1 (Friday), 2013 or earliest possible date

Application Materials:

Documents for application:

- (1) CV (Including current address, telephone number and e-mail)
- (2) Publication list
- (3) Outline of research interest, research accomplishments, and research proposal at AIMR
- (4) Contact information of 3 referees
- (5) 2 copies of major papers, up to three titles

The files of the above documents (pdf) should be sent to the following e-mail address;

orimo-lab-recruit@wpi-aimr.tohoku.ac.jp

or the printed-out documents should be sent via postal mail to the following address;

Orimo lab, Institute for Materials Research, Tohoku University
Katahira 2-1-1, Aoba-ku, Sendai, 980-8577, JAPAN

- * When you submit your application via e-mail (or postal mail),
please indicate as the title (or clearly on the envelope surface) ; **Application for Orimo Lab**
- * We cannot reply the inquiries regarding the selection process.

Where to Make Contact:

Prof. Shin-ichi Orimo E-mail: orimo@imr.tohoku.ac.jp

- * Application from, or nomination of, women and minority candidates are encouraged.
Tohoku University WPI-AIMR is an affirmative action/equal opportunity employer.