

International Recruitment of Research Specialist Public Works Research Institute

Position: Research Specialist on Flood Risk, Water-related Disaster Research Group, International Centre for Water Hazard and Risk Management (ICHARM) under the auspices of UNESCO

Number of Recruitment:

One

Employment period:

Three years, starting as soon as possible after 1st September 2013 until 31st August 2016

*The contract is subject to renewal every fiscal year based on work performance.

*The contract may extend beyond the initial three years until one day before the same date in 2018 as the initial contract date, only if the research in which the person is involved continues beyond the original contract years and he or she is a Ph.D. holder.

Employment conditions:

- Salary:** Salaries will be provided within the following range depending on work experience and other considerations (as of July 2012).
Master's degree holder: JPY 13,500 to 19,330 per day
Doctor's degree holder: JPY16,730 to 20,290 per day
- Hours:** 8:30 to 17:15 including the lunch hour from 12:00 to 13:00
(The flex time arrangement is also available.)
- Holidays:** Saturdays, Sundays, national holidays, and New Year holidays (29 December to 3 January)
- Leave:** 1) Annual paid leave: 10 days per year in the 1st year
(Up to 3 days for the initial 3 months of the employment and up to 5 days for the initial 6 months.)
2) Special paid leave: funerals and other similar cases
3) Unpaid leave: sickness and other similar cases
- Allowance:** overtime work, holiday work, bonuses (June, December), commuting, housing subsidy, etc.
- Insurance:** health care, pension, unemployment, work-related injury

Position description: Research Specialist on Flood Risk

(1) The research specialist on flood risk is expected to develop a flood risk assessment model capable of assessing flood risk and socio-economic impact of flood through the application of numerical models and products that ICHARM has been developed to selected water related disaster -vulnerable areas in the Asian region. The position is also responsible for assessing future flood risk by using the development model, and for formulating and proposing adaptation measures. The following outlines the development of the model and its subsequent application.

- Five river basins in the Asian region will be selected as study basins. To collect data and information needed for the model development, field survey, interviews with local residents, and literature reviews will be conducted for socio-economic, living and farming conditions, as well as other relevant factors.
- Flood risk will be assessed in consideration of uncertainties by using the developed model based on future climate changes projected by global circulation models.
- An assessment model will be developed to assess socio-economic impact based on the results of the flood risk assessment.
- Adaptation measures will be developed to address the projected flood risk. The measures will be proposed after evaluated for effectiveness in flood risk reduction.
- The developed measures, as well as relevant data and information, will be provided to assist local governing entities in developing plans and making decisions to address issues that they may face as a result of future climate changes.

Qualifications:

Applicants must be qualified to the following five conditions when applying:

- 1) Master or higher academic degree in hydraulics and/or hydrology.
- 2) Experience in publishing at least one English paper (preferably peer-reviewed) in hydraulics and/or hydrology.
- 3) International work experience in hydraulics or hydrology.
- 4) Work or research experience in the development of hydraulic or hydrologic models.
- 5) Excellent English skills for communication, coordination and document preparation. A decent level of spoken Japanese is preferable, but not essential.

Closing date:

12:00 am (at noon, Japan time), 31st of May 2013

Selection:

Applicants who pass the document screening will be interviewed. The most qualified applicant will be selected for the position based on expertise, work experience, previous work achievement, research enthusiasm, English skills, and other factors. The interviews are currently scheduled in beginning of June 2013.

Application documents:

The following documents must be A4 size and written in Japanese or English except document (7), which must be written in English. No specific format is required.

- 1) Resume (curriculum vitae)
- 2) List of the previous achievements
- 3) List of the journal papers
- 4) Copies of the journal papers (up to five)
- 5) Certificate of the academic degree

- 6) Certified academic transcripts of both undergraduate and graduate schools
- 7) Position of your application and essay on your future work or research at ICHARM (600 to 1000 words, A4 size, one page, English only)
- 8) Additional information

Contact Address for Application and Inquiry:

Mayumi TOMIMURA (Ms.)
ICHARM, Public Works Research Institute
1-6 Minamihara, Tsukuba, Ibaraki, Japan, 305-8516
Phone: +81-29-879-6809
Fax: +81-29-879-6709
E-mail: icharm-r@pwri.go.jp

Application documents must be sent by registered mail with “Application for Research Specialist” clearly printed on the front of the envelope.

Period.