

**Announcement of four (4) IHP-related job vacancies
for research positions at ICHARM, Tsukuba, Japan**

The International Centre for Water Hazard and Risk Management (ICARM), a water-related centre established under the auspices of UNESCO, is now announcing job vacancies for four contractual researchers. Please note that these positions are not UNESCO positions and are subject to the relevant national laws. The positions are linked to the International Flood Initiative (IFI) of UNESCO's International Hydrological Programme (IHP). The IFI has by now become a joint UNESCO/WMO/UNU/UN-ISDR inter-agency initiative. The positions are also linked to the UNESCO-led UN system-wide World Water Assessment Programme (WWAP), particularly in developing the Risk Management Chapter of the World Water Development Report (WWDR). Detailed conditions can be seen at: <http://www.pwri.go.jp/eng/news/20060207/senmon.htm>.

Position Title:

Contractual Researchers at the International Centre for Water Hazard and Risk Management (ICARM) under the auspices of UNESCO¹⁾

Number of vacancies:

Four

Period of Employment:

Up to three years from June 1, 2006

Type of employment

Contractual employee under the regulation of PWRI²⁾

Work Place

Tsukuba, Ibaraki Prefecture, Japan

Salary

Depending upon academic qualification and work experience of the selected candidates, and abiding by the "Rules on Contractual Employment at PWRI." For example, the daily salary in 2005 was between 10,270-18,060 yen for master's

degree holders and between 13,210-19,289 yen for doctoral degree holders.

Allowances

End-of-the-term allowance, Overtime allowance, and Commuter allowance

Social Insurances

Health insurance, Pension insurance, Employment insurance

Details of Duties:

Position #1: The position entails the development of research and relevant applications in the field of flood risk management technology. The candidate must have practical experience in preparation of the flood hazard maps and should have worked with disaster management authorities in making use of such maps. The specialist in this position is expected to evaluate the effectiveness and applicability of the techniques by considering various natural, socioeconomic and environment conditions. The candidate is also expected to interact with inter-disciplinary teams in order to make necessary improvements on the techniques so that they can be useful in various regions of the world with different conditions

Position #2: The position entails the development of research in various techniques for improving the accuracy of flood forecasting and warning, the dissemination of information and the evaluation of the effectiveness of forecasts and warnings. The incumbent will undertake research on the improvement of the spatial-temporal resolution of satellite-based estimation of precipitation fields, with the focus of preparing flood management plans and issuing flood forecast/warnings in developing countries. The candidate is also expected to use data obtained from such techniques for flood analysis and evaluate the results of the analysis.

Position #3: The position requires the development of research on improving and developing physically-based hydrologic models in order to simulate the runoff and transport (path and fluxes) of various nutrients such as, for instance, nitrogen and phosphoric acid in river basins. The researcher in this position is also expected to evaluate the validation of the models by conducting specific case studies or a certain areas.

Position #4: The position entails research into the development of risk indices and

indicators at various scales for water-related disasters including the appropriate consideration of the scale effects (up-scaling and downscaling). These indicators are to be applied to particular areas case study worldwide with a view towards global usage.

Qualifications:

- (1) Applicants should have a master's or doctoral degree in the field of hydrology and/or water resources engineering, water-related disaster prevention or other closely related fields;
- (2) Applicants must possess adequate exposure on international activities matching the duties of a position they are applying for with a proven track record (research and publications);
- (3) Applicants must have a good command of English to conduct a broad array of activities in an international setting.

Deadline for Applications:

Applications must be received by March 15, 2006.

Selection Process:

One candidate will be selected for each position, i.e. four candidates in total, based on the qualifications, as evaluated from the submitted documents, an interview and on the letters of recommendations which will be requested later from the persons indicated as reference, taking into account the level of knowledge in the particular field, work experience, publication record/past achievements, motivation towards research activities, level of English proficiency, and others.

Documents to be submitted:

All documents must be submitted in English and should be prepared on A4 size papers. There is a specific format, but please pay attention to the notes 3, 4 and 5 at the bottom of this document. The following should be prepared as separate documents:

- (1) Curriculum vitae ³⁾
- (2) Outline of past achievements ⁴⁾
- (3) Degree certificates and academic transcripts
- (4) Copies of three relevant research papers
- (5) The position applying (# 1, 2, 3 or 4) and a proposal for the research activities on duties of the applied position (no more than 800 words)⁵⁾

(6) Names and contact addresses of three referees who can appraise your suitability for the position (Please include postal address, telephone/fax and e-mail)

Address for Applications and Inquiries:

Inquiries shall be sent to the following email address.

E-mail: icj4@pwri.go.jp

Postal Address:

Secretariat for Preparatory Activities of UNESCO-PWRI Centre

Public Works Research Institute

1-6, Minamihara, Tsukuba-shi, Ibaraki-ken 305-8516, Japan

Tel: +81-29-879-6809, Fax: +81-29-879-6708

Applicants are required to print "**Job Application**" in red ink on the front of the envelope. All the necessary documents must be sent by registered mail and arrive at the above address by the deadline.

Notes:

1) In case the International Centre for Water Hazard and Risk Management (ICHARM) under the auspices of UNESCO, which is planned to be set up within PWRI by the end of March 2006, is not established when the applicants are employed, these positions will be in the office of the Secretariat for Preparatory Activities of UNESCO-PWRI Centre at PWRI until the official launch of the Centre..

2) PWRI reserves the right to terminate the contract of the employee any time in case of unsatisfactory performance or unacceptable behavior. The maximum period of the contract is three years.

3) CV must include the following:

- a. Name as in your passport, also name in Chinese characters if applicable
- b. Nationality
- c. Birth date
- d. Type and expiration day of a visa to Japan if available
- e. Employment history if applicable

4) "Outline of past achievements" must include the following:

A list of your major research papers separated into the following categories

- a. International, refereed journal papers
- b. Other refereed research papers
- c. International non-refereed papers (e.g. Conference proceedings)
- d. Other non-refereed papers

Please indicate the number of papers in each category. The titles of the papers should be in English and specify the language of the original publication if not in English.

5) An applicant who is applying for two or more positions should submit the necessary documents in separate envelopes. In this case, please indicate the order of preference if selected for more than one position in document no (5) "The position applying".