



Tohoku University Global COE Program:
World Center of Education and Research for Trans-disciplinary Flow Dynamics

2012 Application Guideline for Postdoctoral Research Fellowship

1. OUTLINE OF THE FELLOWSHIP

This fellowship program was founded to support promising and highly talented young researchers who wish to do advanced research works at Tohoku University, Sendai, Japan. The Fellowship, in which a Postdoctoral Fellow (hereafter PD Fellow) is employed for one year, provides opportunities for young researchers to carry out under the direction and guidance of his/her supervisor internationally cooperative research works in the atmosphere of world-class and highly competent researchers affiliated and supported by Tohoku University Global COE Program: World Center of Education and Research for Trans-disciplinary Flow Dynamics (hereafter the GCOE Program). In doing this, the Fellowship Program serves to enlarge the PD Fellow's own research capacity, while contributing to the general advancement of science and technologies in Japan and in counterpart countries.

2. FIELDS OF RESEARCH

All the academic fields related to Flow Dynamics are included in this program. For detailed information, please access to the web-site:

URL: <http://www.ifs.tohoku.ac.jp/gcoe/index-e.html>

3. ELIGIBILITY FOR APPLICATION

Each applicant for the Fellowship must hold a Doctoral Degree when the Fellowship goes into effect. The date of the Doctoral Degree conferred to the applicant must be as recent as within six years to the date of the Fellowship employment.

4. NUMBER OF FELLOWSHIP AWARDED

A few Postdoctoral Research Fellowship

5. DURATION

The PD Fellow is employed for a period of one year maximum, starting from April 2012. A midterm performance review is to be carried out 10 months after the employment has

started to confirm the continuation of the Fellowship onward. Should the review result be unsatisfactory to the GCOE Program, the Fellowship may be discontinued at the time. The GCOE Program will be terminated on March 31, 2013, and the entire Fellowship Program will be discontinued at the time.

6. TERMS OF FELLOWSHIP & EMPLOYMENT

- (1) Monthly salary of approximately 300,000 yen.
- (2) Research fund of 500,000yen per year.
- (3) Housing, commuting and other types of allowances are available according to Tohoku University Employee Compensation Policy. Details will be discussed with the Fellowship awardee.

Note

All the (1)-(3) terms above must be handled based upon the Tohoku University Employee Compensation Policy. The terms are subject to change.

The amount of research fund and some of the allowance items may be adjusted annually dependent on the researcher's previous year performance.

7. APPLICATION PROCEDURE

(1) An applicant must first choose his/her prospective supervisor (hereafter the Supervisor) at Tohoku University. And the Supervisor must be a member of Tohoku University Global COE Program: World Center of Education and Research for Trans-disciplinary Flow Dynamics (The GCOE Program). The members of the GCOE Program are listed in Table 1 in this Guideline.

(2) The applicant then submits the Application Documents to the Global COE Office indicated below.

Application Documents

(i) Application Form to be filled in by the applicant. (Please use the FORM 1 provided by the Global COE Office at the web-site.)

<http://www.ifs.tohoku.ac.jp/gcoe/eng/application/index.html>

(ii) Documents to be attached to the Application Form.

- a) A letter of recommendation from the candidate's current or previous supervisor.
- b) A letter of recommendation from the prospective Supervisor at Tohoku University.
- c) A copy of the applicant's Doctoral Degree Certificate. When the doctoral degree is not yet conferred/issued to the applicant and the applicant is in a status of just waiting for being conferred within a reasonably short period, a guarantee letter from the applicant's university, stating the date that he/she shall officially receive the degree, is required to be provided.

(iii) Any supplementary documents, whatever the applicant thinks that will help him/her in successful selection, are welcome to be attached to the APPLICATION FORM.

Application Deadline: **January 31, 2012**

8. SELECTION AND NOTIFICATION

- (1) Applications received by the Global COE Program Office will be referred to and examined by the GCOE Program Research Committee.
- (2) When an applicant is successfully chosen as the PD Fellow, the program leader of the GCOE Program will send the applicant an Invitation Letter along with some relevant materials.
- (3) The GCOE Office will not respond to individual inquiries from the applicants for selection process information.

9. NOTES

- (1) The period of employment and the amounts of the compensation may be changeable in future for various reasons.
- (2) Incomplete or otherwise flawed applications will be rejected.
- (3) The name of the awardee, the Supervisor at Tohoku University as well as the research theme and results of the research works are subject to public disclosure.
- (4) For further information on this program, please see our website:

URL: <http://www.ifs.tohoku.ac.jp/gcoe/index-e.html>

9. CONTACT & THE OFFICE WHERE THE APPLICATION SHOULD BE SENT

Tohoku University Global COE Program:
World Center of Education and Research for Trans-disciplinary Flow Dynamics
(c/o Institute of Fluid Science) Tohoku University
Katahira 2-1-1, Aoba-ku, Sendai, Miyagi-ken 980-8577, Japan

TEL: +81-22-217-5301

E-mail: office@gcoe.ifs.tohoku.ac.jp

Table 1. Program members of Global COE Program: World Center of Education and Research for Trans-disciplinary Flow Dynamics

Name	Affiliated Department, position title
Shigenao MARUYAMA	Institute of Fluid Science, Prof.
Toshiyuki TAKAGI	Institute of Fluid Science, Prof.
Masami NAKANO	Institute of Fluid Science, Prof.
Kazuhiro NAKAHASHI	Department of Aerospace Engineering, Graduate School of Engineering, Prof.
Jun ISHIMOTO	Institute of Fluid Science, Assoc. Prof.
Makoto OHTA	Institute of Fluid Science, Assoc. Prof.
Kaoru MARUTA	Institute of Fluid Science, Prof.
Goro MASUYA	Department of Aerospace Engineering, Graduate School of Engineering, Prof.
Hideya NISHIYAMA	Institute of Fluid Science, Prof.
Hideaki KOBAYASHI	Institute of Fluid Science, Prof.
Hideyuki AOKI	Department of Chemical Engineering, Graduate School of Engineering, Prof.
Taku OHARA	Institute of Fluid Science, Prof.
Akira MIYAMOTO	New Industry Creation Hatchery Center, Prof.
Junichiro MIZUSAKI	Institute of Multidisciplinary Research for Advanced Materials, Prof.
Michio TOKUYAMA	WPI Research Center : Advanced Institute for Materials Research, Prof.
Seiji SAMUKAWA	Institute of Fluid Science, Prof.
Tetsuya KODAMA	Graduate School of Biomedical Engineering, Prof.
Takashi TOKUMASU	Institute of Fluid Science, Assoc. Prof.
Shigeru OBAYASHI	Institute of Fluid Science, Prof.
Yu FUKUNISHI	Department of Mechanical Systems and Design, Graduate School of Engineering, Prof.
Keisuke ASAI	Department of Aerospace Engineering, Graduate School of Engineering, Prof.
Keisuke SAWADA	Department of Aerospace Engineering, Graduate School of Engineering, Prof.
Takatoshi ITO	Institute of Fluid Science, Prof.
Hidetoshi HASHIZUME	Department of Quantum Science and Energy Engineering, Graduate School of Engineering, Prof.