



**Department of Civil Engineering
Indian Institute of Technology Roorkee, Uttarakhand, India**

Advt. No. DOCE/PDF/ / , Date: 23-11-2016

ADVERTISEMENT FOR POST DOCTORAL FELLOWSHIP POSITION

The Hydraulics Engineering Group, Department of Civil Engineering at the Indian Institute of Technology (IIT) Roorkee invites applications from outstanding and enthusiastic researchers for Postdoctoral Position for working on a project focused on **‘Response and Sensitivity of the Debris-Covered Glaciers to Climate Forcing, Central Himalaya (Uttarakhand), India’**.

The prospective candidate is expected to have a strong background in Physical Glaciology with thorough research experience of numerical modelling in glaciology. The prior knowledge of Hydro-meteorology, glacier energy and mass balance, and handling of Glaciological instrumentation is necessary. Mathematical modelling related skills to glacier surface melt will be considered as added qualification. Candidate should be passionate about working on the high altitude glacierized region/terrain of the Himalaya. Other research activities may include participating in research discussion with overseas universities and research centers.

Last date of application submission is 13 December, 2016.

Minimum Qualification and Experience

The prospective candidate should have following qualifications i.e. at least two SCI publications in Glaciology and Ph.D. in Physics/Glaciology with research experience of numerical modelling skills related to glacier study. Candidate having the experience to conduct research work in the glacierized region of the Himalaya and experience of handling the climate/meteorological /glaciological data will be preferred.

Candidates who have recently submitted their doctoral thesis are also eligible to apply subject to the condition that they will furnish the proof of award of Ph.D. degree at the time of Interview.

Duration and Fellowship amount

The duration of the fellowship will be of two years extendable to three years, if necessary. The candidate is expected to join the Department as soon as offer letter has been released. The fellow will receive a consolidated fellowship as below in addition with the contingency grant of Rs. 20,000/- per annum.

First Year: Rs. 50,000/- per month

Second Year: Rs. 55,000/- per month

How to Apply

Candidates can apply with cover letter, curriculum vitae, list of publications (with the most significant publications highlighted), research statement describing past research and plans for future research by both regular and e-mail, to:

Professor and Head

Kind Attn: Group Head, Hydraulics Engineering Group

Department of Civil Engineering

Indian Institute of Technology Roorkee

Roorkee - 247667

INDIA

E-mail: hced@iitr.ernet.in with a cc to garryfce@gmail.com

Phone: +91-1332-285219 (Head office)

+91-1332-286414 (P.I. office)

Notes:

(i) The Postdoctoral Fellow (PDF) will be registered as IIT Roorkee students for availing the facilities of accommodation, hospital, medical insurance scheme, computer centre, library sports, etc.

(ii) The candidates called for discussion/interview will be paid II-AC train fare from their place of residence/work and back by the shortest route within India.

(iii) Those candidates who have applied earlier for this post (Advt. No. DOCE/PDF/ / , Date: 22-09-2016) within stipulated time need not to apply again.

About the Department

The Department of Civil Engineering at the Indian Institute of Technology, Roorkee is the oldest and the largest in the country. It was established on November 25, 1847 as Roorkee Civil Engineering College and renamed as Thomason College of Civil Engineering in 1854. The department has produced several eminent engineers who have made significant contributions in the planning and execution of Civil Engineering projects in India as well as abroad. The Department is known for its internationally reputed faculty having expertise in diverse fields. It has built up a wide research potential. The research programs of the department are funded by various agencies such as Ministry of Human Resource Development (MHRD), Max Planck Society Germany, Japanese Ministry of Education, Culture, Sports, Science & Technology (MEXT), Department of Science & Technology (DST), Indian Space Research Organization (ISRO), Petroleum Conservation Research Association (PCRA), Defence Research Development Organization (DRDO), Ministry of Environment & Forests (MoEF), Central Pollution Control Board (CPCB), Uttarakhand Council of Science & Technology (UCOST) etc.

There are currently 22 Professors, 10 Associate Professors and 14 Assistant Professors working in the department. The faculty of the department continues to strive loftier by exploring new frontiers of knowledge, imparting the latest technical knowledge to the students and conducting high quality of research. The faculty also renders technical advice on live engineering problems to various Government and Private Sector companies throughout country. The Department offers a four-year course leading to the Bachelor's Degree in Civil Engineering and two-year courses leading to Master's degree in seven major specializations of civil engineering (viz., Building Science and Technology, Environmental Engineering, Geomatics Engineering, Geotechnical Engineering, Hydraulics Engineering, Structural Engineering and Transportation Engineering). These programs are supported with strong doctoral programs in all the specializations.

For more details, please visit: <http://www.iitr.ac.in/departments/CE/>

About the Institute

IIT Roorkee has its roots in the Roorkee College, which was set up in 1847. It was renamed as the Thomason College of Civil Engineering in 1854. The College laid the foundation of modern engineering education and the use of Civil Engineering practices in the infrastructure development of the country. The irrigation infrastructure in the form of dams and canals, roads and highways, railway, bridges, etc. in the country, all have been the outcome of the engineering education imparted in this, the only engineering institution in the country, at that point of time. It got elevated as the first technical University of the country in 1948 through the University of Roorkee Act, 1947 passed by the United Provinces Legislature. University of Roorkee also became the first institution in the country to offer postgraduate programs in engineering and technology in 1955. On September 21, 2001, the University was converted into an IIT by the Government of India through an Act of Parliament and recognized as an Institution of National importance. Roorkee is the entry point of Uttarakhand state. It is on the way to Mussoorie and Haridwar from Delhi. IIT Roorkee has a beautiful green campus. Various sports facilities including Billiards, Swimming, Hockey, Football, and Yoga are available in the Campus. The Institute provides 100% accommodation to faculty members. A good C.B.S.E. School is available in the Campus which provides admission to the children of newly joining faculty members throughout the year.

For more details, please visit: www.iitr.ac.in

Professor and Head
Department of Civil Engineering
IIT Roorkee