Indian Institute of Science  
Bangalore 560 012  

Advt. No.: DAEO164-174  
Date: 7 January 2013

Invites applications for Senior Research Fellows (9 positions) and Research Associate (1 position) in the following DAE sponsored projects.

**Title of projects:**  
Safety and global sensitivity analyses of structures with alternative uncertainty models.  
Stochastic modeling of hydration process in concrete investigation into creep and shrinkage.  
Petrographical, chemical and computational studies on concrete at high temperature.  
Studies on fatigue crack growth in graphite.  
Uncertainty quantification in multi-scale analysis on nanocomposite materials.  
Stochastic modeling of groundwater flow and contaminant transport modeling at the proposed uranium tailings pond.  
Development of probabilistic design and analysis procedures in radioactive waste disposal in NSDF and design of NSDF closure.

**Tenure of the projects:**  
31 March 2015.

**Essential qualification:**
SRF – M.E./M.Tech./M.Sc. in Civil/Mech. Engg or B.E./B.Tech. in Civil/Mechanical Engg with two years of research experience.

**Job description:**
The selected candidate has to assist the investigator in research work and discharge any other duties assigned from time to time.

**Emoluments:**
SRF – Rs 18,000 p.m. (fixed) + 30% HRA;  
RA – Rs 22,000 p.m. (fixed) + 30% HRA.

Candidates should send their applications on plain paper furnishing the bio-data, copies of certificates in support of age, qualification, experience, etc., to Prof. C. S. Manohar, Dept of Civil Engg, Indian Institute of Science, Bangalore 560 012, within 15 days from the date of this advertisement.

Registrar

Council of Scientific and Industrial Research  
National Aerospace Laboratories  
Bangalore 560 017  

Advertisement No. 1/2013/JRF/SED/BRNS, DAE

National Aerospace Laboratories is one of the largest CSIR Laboratories and its primary objective is to offer R&D support in aerospace engineering and related areas. NAL proposes to recruit one Junior Research Fellow for a period of two years to work on a research project, related to the development of nanostructured high temperature absorber coatings, funded by Board of Research in Nuclear Sciences (BRNS), Department of Atomic Energy, Govt of India.

**Qualification:**
M.Sc. (Physics)/M.Sc. (Materials Science) with First Class.

**Desirable:**
NET/GATE qualified.

**Stipend:**
Rs 16,000 + HRA as per CSIR rules. Upper age limit 28 years as on 25 February 2013, relaxable by 5 years for SC/ST, physically handicapped and 3 years for OBC candidates.

Application on plain paper, complete in all respects, along with copies of marks cards from SSLC onwards may be sent on or before 25 February 2013 to:

The Head, Knowledge and Technology Management Division  
National Aerospace Laboratories  
P B No. 1779, Kodihalli, Airport Road  
Bangalore 560 017