

**Department of Computational and Data Sciences
Indian Institute of Science, Bengaluru**

Advertisement No : CDS/KA/AUG2021/PD

Date: 01/08/2021

Advertisement for the post of Post-doctoral Researcher

Applications are invited for a Post-doctoral Researcher position in the FLAME lab at CDS, IISc.

Specific roles and responsibilities: The project work involves the following tasks -

- Develop a scalable computational fluid dynamics (CFD) solver for turbulent reacting flows.
- Benchmark and perform simulations on massively parallel computing systems.
- Interaction with industry partner.
- Present results at conferences and prepare manuscripts.

Basic requirements:

- Ph.D. in mechanical/aerospace/chemical engineering, applied mathematics, or a related discipline.
- Knowledge of HPC code development (in C++/C) for reacting flow applications, and parallel scientific computing is required.
- Knowledge of deep learning (in TensorFlow, PyTorch, etc.) for scientific applications is desired.
- Experience in modeling and simulation of three-dimensional reacting flow applications using CFD codes is desired.
- Experience in geometry manipulation with computer-aided design software is desired.
- Collaborative and good communication skills.

Salary: As per experience, up to Rs. 1,22,960.00 per month.

Terms of appointment: Initially for an year and renewable thereafter depending on performance.

How to apply: Interested candidates may send their CV/resume along with a cover letter by email to: konduriadi@iisc.ac.in (in pdf format, with subject marked “Advertisement No. CDS/KA/AUG2021/PD”).

In the resume, provide evidence to meeting the essential qualifications listed above.

Online interview: Based on the applications, candidates will be called for online interviews.

Last date for application: Rolling advertisement until the position is filled.

Contact details:

Dr. Konduri Aditya

Department of Computational and Data Sciences

Indian Institute of Science

Bangalore - 560012

Website: [FLAME Lab](#)