

[Open Position]

Research Associate- Grade III position at MMNS lab, CeNSE

Dear all,

We are looking for a Ph.D. graduate with a minimum of two years of work experience to work on inertial sensor development for space applications. The applicant must have hands-on experience in semiconductor fabrication and device packaging. The selected candidate will work on the design, fabrication, characterization, and packaging of Silicon- Microelectromechanical systems (MEMS) based High-performance Accelerometer (SiMHA). The main focus of the project is the fabrication of the wafer-level hermetically encapsulated sensor structure using a multi-wafer stack silicon fusion bonding process.

The candidate must have a strong background in solid mechanics, VLSI microfabrication, and inertial sensor design. Additionally, the applicant should have a good grasp on (i) Finite Element Analysis tools such as COMSOL or ANSYS, (ii) Design and analysis of Microelectromechanical Systems (MEMS), (iii) Photomask layout tools such as L-Edit and Clewin, and (iv) MEMS packaging.

Interested applicants might send their resume to shilpasantosh@iisc.ac.in with the subject "SiMHA Project – RAIII Application" clearly written in the subject header. Candidates will be shortlisted based on their resumes and will receive an interview call.

Last date for receipt of application: 12-March-2022