



INDIAN INSTITUTE OF TECHNOLOGY MANDI, H.P., INDIA

Advertisement : Walk in interview for the Post of Post-Doctoral Fellow in Intel-SRC

Funded Sponsored Research Project

Date: 19th October, 2015

Interested candidates are invited to attend walk-in interview for **Post Doctoral Fellowship** position under Intel-SRC funded sponsored project. The details are as follows:

Title of research project: "Hybrid Resists"

This is a high profile dynamic project for the development of hybrid organic-inorganic resist materials (both molecular and polymeric) for semiconductor chip fabrication by nanolithography. The research fellows will conduct research at IIT Mandi. Travel to other Institutes in India or abroad may be required for exposure of the resists.

We are looking for a postdoctoral fellow having the following skills:

1. Synthetic chemist with excellent synthetic skills in Inorganic chemistry and organic-inorganic hybrid materials, preferably on organic-inorganic hybrid polymers.
2. Capability to scale up the synthesis in multigrams.
3. Strong instrumentation background in characterization of inorganic and organic-inorganic hybrid materials/polymers is essential.
4. Person with knowledge of lithography particularly resists formulation, thin film optimization, developing condition optimization, pre/post-bake temperature optimization, patterning using electron beam lithography, and pattern transfer using etching technique are preferable.

The position advertised requires the ability to work collaboratively in a dynamic research group.

The Co-coordinators of this project have the discretion to restrict the number of candidates to a reasonable limit on the basis of qualifications and experience higher than the minimum prescribed in the announcement.

Investigators: Prof Kenneth Gonsalves (PI)

Dr. Pradeep Parameswaren (Co-PI)
Dr. Subrata Ghosh (Co-PI)
Dr. Satinder Sharma (Co-PI)

Duration: 06-12 Months

Fellowship: Rs. 45,000-50,000/- p.m. consolidated (depending on experience)

Minimum Qualification: PhD (awarded or thesis submitted) in relevant areas.

Age Limit: The upper age limit is 35 years (as on 03.11.2015).

Age relaxation: upper age limit is relaxable upto 5 years for SC/ST/OBC/Women/Physically challenged candidates

How to apply: Interested and eligible candidates should appear for a walk-in-interview with the following documents:

1. A cover letter
2. A copy of CV
2. Original and one set of photocopy of all certificates and testimonials.

Interview date: 03.11.2015

Venue: Conference Room, Academic Block, IIT Mandi, Mandi campus, Near Paddal Ground, Mandi, Himachal Pradesh.

Interested candidates may send their CV in advance to pradeep@iitmandi.ac.in; subrata@iitmandi.ac.in; kenneth@iitmandi.ac.in. For any queries, please contact Dr. Pradeep Parameswaran – 08894960670.
