



Indian Institute of Technology Indore

IIT
Indore

IET Campus: IET-DAVV Campus, Khandwa Road, Indore 452 017, Madhya Pradesh

PACL Campus: 113/2-B (Opposite Veterinary College), Village Hernia Khedi, Mhow Road, District Indore 453 446, Madhya Pradesh

Simrol Campus: Khandwa Road, Simrol, Indore 452020

Dated: August 14, 2015

Advertisement for Postdoctoral Position

Applications are invited from motivated, talented and eligible candidates for a postdoctoral position in the research project entitled, “**Non-classical devices for more-than-Moore era**” in the group of Dr. Abhinav Kranti at IIT Indore.

The project focusing on ultra low power/low power operation of non-classical devices would cater to the design and optimization for logic, memory, analog and RF applications. The research would utilize CMOS and non-CMOS transistor architectures to address the problems at fundamental and applied levels. The project is expected address the critical issues, provide optimal guidelines for low power device and circuit design, and offer solutions to the semiconductor industry. The postdoctoral candidate should very strong background in simulation, modeling and design optimization of classical and non-classical CMOS devices.

Eligibility: Candidates should be an Indian citizen and must hold a recent PhD degree (or anticipating such a degree prior to starting of the postdoctoral position) in Electronics/Electrical Engineering/Physics or related areas. Candidate must have prior peer-reviewed international publications and be extremely hard working and motivated to pursue top-notch scientific work. Good communication skills are highly desirable for the postdoctoral fellow.

Age: Maximum age is 32 years for male and 35 years for female candidates (to be relaxed by 5 years in case of persons with physical disability, SC and ST and 3 years in case of OBC-NC).

Note: A mere fulfillment of required minimum qualifications and/or experience does not entitle a candidate to be called for presentation and/or interview. The Institute reserves the right to fill or not to fill the post advertised.

Stipend: Postdoctoral Fellow will be paid consolidated salary based on the following salary structure of the DST for Research Associate.

Category	Emoluments per month
Research Associate-I	Rs. 36,000/-
Research Associate-II	Rs. 38,000/-
Research Associate-III	Rs. 40,000/-

The category will be decided/recommended by the selection committee based on the qualification/experience/performance in the interview of the candidate.

Service conditions:

(i) DA: Postdoctoral Fellow will not be entitled to DA.

(ii) House Rent Allowance (HRA): All Postdoctoral Fellow may be provided accommodation based on availability and those residing in accommodation provided by the institute will not be eligible for drawing HRA. Wherever provision of hostel accommodation is not possible, HRA may be allowed to Postdoctoral Fellow as per Government norms applicable in the city/location where they are working. The fellowship amount may be taken as basic for calculating the HRA.

(iii) Medical Benefits: The Postdoctoral Fellow will be entitled for medical allowance as per institute policy.

(iv) The travel entitlement for Postdoctoral Fellow for participation in scientific events/workshops in India will continue to be as per the institute norms.

Duration: The appointment will be for one year.

Application Process: Applications are invited throughout the year. Interested candidates should submit a detailed CV including List of Publications, Statement of Purpose and a write up of the proposed work to Dr. Abhinav Kranti, via e-mail: akranti@iiti.ac.in. Please mention "CV for Postdoctoral Position" as the subject of the email. The position will remain open until a suitable candidate is found. Only shortlisted candidates will be intimated by email for presentation and interview. No TA/DA will be paid for attending the presentation and interview.