



Research Scientists - iGEIC/Research/R 01/2025  
Research Scientists

Date: 02<sup>nd</sup> April 2025

### NOTIFICATION

India Graphene Engineering and Innovation Centre is looking to hire Research Scientists \_  
Postdocs \_ Research Associates.

## Job Description: Research Scientists / Postdocs / Research Associates

**Location:** Trivandrum, India

**Start Date:** Immediate

**Application Deadline:** April 10, 2025

**Apply here:** <https://forms.gle/kdSkcR36gNevPFQe7>

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At the **India Graphene Engineering and Innovation Centre (I-GEIC)**, we are building a dynamic, interdisciplinary team to shape the next frontier of electronic systems and materials innovation. As we scale our **cutting-edge R&D initiatives**, we are looking for exceptional individuals who thrive at the intersection of deep science, engineering excellence, and real-world impact.

If you're excited by the prospect of **working on breakthrough technologies** that could redefine computing, sensing, and communication, this is your opportunity to contribute meaningfully—and grow exponentially.

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## About the Opportunity

We are actively hiring for **research and product development roles** that sit at the convergence of **advanced electronics, materials science, and neuromorphic computing**. This is a unique chance to work on problems with **both scientific novelty and direct translational potential**.

You will:

- Drive **core research** in novel materials and circuit architecture
  - Collaborate with **academic and industry leaders** on **multi-disciplinary projects**
  - Develop and test **prototypes, chipsets, and systems** aimed at next-generation applications
  - Be a part of the **end-to-end innovation cycle**—from concept to commercialization
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## Focus Areas of Research & Development

We are hiring across multiple specialized domains. Key focus areas include:

### 1. Neuromorphic VLSI & Analog Circuits

- Design and prototyping of brain-inspired computing architecture
- Development of energy-efficient analog/mixed-signal building blocks
- Non-von Neumann and in-memory computing implementations

### 2. RF & Mixed-Signal Circuits

- High-frequency and low-power design techniques
- RF front-end circuits, mmWave components, and SoC integration
- Mixed-signal data converters, PLLs, and sensor interfaces

### 3. 2D Electronic Materials

- Exploration and integration of graphene and other 2D materials
- Device fabrication, material characterization, and circuit applications
- Heterostructures, flexible electronics, and quantum behavior exploration

**Hands-on experience** in chip tapeouts, Printed Circuit Boards, experimental measurements, cleanroom fabrication, or circuit/system validation is highly valued.

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## Who Should Apply

We believe **diversity of background and perspective fuels innovation**. We welcome applicants who demonstrate passion, expertise, and impact, regardless of traditional credentials.

We are particularly keen to hear from:

- **PhD graduates**, or those in the final stages of thesis submission
- **Postdoctoral researchers** with strong publication records and a bold vision for future technologies
- **Industry professionals** with hands-on R&D experience, even if they do not hold a PhD
- Individuals recommended by **renowned mentors, advisors, or collaborators**
- Researchers from **prestigious international labs**, innovation hubs, or corporate R&D centers

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## What We Value

We evaluate candidates holistically, placing strong emphasis on:



- **Depth and originality** of your work
  - **Track record of publishing** in high-impact journals (e.g., IEEE Transactions, Nature, Science, Wiley Advanced Materials)
  - **Contributions to conferences** such as ISSCC, CASS, EDS, IEDM, or NeurIPS (for neuromorphic and ML-on-chip domains)
  - **Innovative outputs**, including patents, open-source tools, or technology demonstrators
  - **Successful grant writing** or industry-academia collaborations
  - An ability to think boldly, build rigorously, and execute practically
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## Why Join Us

At I-GEIC, you won't just work on the **future—you'll help create it.**

- **Be part of a mission-driven team** focused on redefining computing, sensing, and communication
  - **Work at the bleeding edge** of science and engineering, alongside globally respected collaborators
  - Contribute to **research that doesn't just get published—it gets built, scaled, and used**
  - Enjoy a **startup-like, agile R&D environment** backed by institutional strength and long-term vision
  - Gain access to **fast-track leadership and career growth** opportunities as we scale our operations
  - Thrive in a culture that celebrates **curiosity, ownership, experimentation, and outcomes**
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## Ready to Build What's Next?

If this resonates with you, we want to hear your story.

Reach out with your **CV, portfolio**, about why you're interested. Let's explore how your expertise and aspirations align with ours.

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## How to Apply

If you're ready to push the boundaries of science and technology, we'd love to connect with you.

👉 **Apply now:** <https://forms.gle/kdSkcR36gNevPFQe7>

📍 **Location:** Trivandrum, India

🕒 **Deadline:** April 10, 2025