We Are Hiring!

Postdoctoral Researchers & Outstanding Overseas Research Talent

AI Chips and Systems Research Center, Institute of Microelectronics, Chinese Academy of Sciences (IME, CAS)
Location: Beijing, China

About Us

The AI Chips and Systems Research Center at IME, CAS, is dedicated to advancing next-generation AI computing systems through innovations in computer architecture, systems software, and electronic design automation (EDA). We invite motivated researchers to join our interdisciplinary team and explore cutting-edge technologies for high-performance, energy-efficient AI computing.

Research Areas

- **AI Computer Architecture & Hardware Systems:** AI accelerators, GPU architectures, and heterogeneous computing; Processing-in-memory, near-memory computing, and memory systems; 3D integration, 2.5D and hardware–software co-design
- **AI Systems Software & Compilers:** Compilers, runtime systems, and programming models for AI hardware; LLM inference optimization and workload scheduling
- **Electronic Design Automation (EDA):** Architecture modeling, simulation, and design space exploration; Performance, power, area, and thermal (PPAT) optimization; System–technology co-optimization (STCO) and AI-driven EDA

Open Position 1: Postdoctoral Researchers

Qualifications

- Ph.D. in Computer Science, Electrical and Computer Engineering, Microelectronics, or a related field (completed or expected before appointment).
- Strong research background in at least one area listed above.
- Demonstrated research potential through high-quality publications, software tools, hardware projects, or open-source contributions.
- Ability to conduct independent research and collaborate effectively.

Salary & Benefits

- **Annual salary: RMB 300,000–400,000 (before tax)**; **higher offers possible for exceptional candidates**.
- Research funding and access to advanced research facilities.
- Institute-provided housing and comprehensive employee benefits.
- Support for national and CAS postdoctoral fellowship applications.
- Opportunities to develop independent research projects and apply for permanent research positions.

Apply

Email **libing2024@ime.ac.cn** with your CV, selected publications, and a brief research statement.

中国科学院微电子研究所
INSTITUTE OF MICROELECTRONICS OF CHINESE ACADEMY OF SCIENCES

Open Position 2: Outstanding Overseas Research Talent

Compensation, Benefits & Research Support

- Competitive, individually negotiated compensation packages.
- **Research start-up funding: RMB 3–9 million**, subject to applicable talent programs and institutional approval.
- **Personal living allowance: RMB 1 million**, subject to the relevant talent program policies and approval.
- Opportunities to establish an independent research group, supervise graduate students, and lead major research projects.
- Support for housing, family relocation, and children's education, in accordance with institutional policies.
- Dedicated assistance with national and CAS talent program applications.

For inquiries and applications: libing2024@ime.ac.cn

Join us to shape the future of AI computing!

Website: https://www.ime.cas.cn/

Compensation, benefits, and funding are subject to applicable institutional policies, talent program requirements, and final appointment terms.