

Research Assistant (RTH) (AC0006)
The Hong Kong University of Science and Technology
(HKUST)

Direct Link: <https://www.AcademicKeys.com/r?job=232878>

Downloaded On: May. 9, 2024 10:49am

Posted Mar. 13, 2024, set to expire Jul. 13, 2024

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| Job Title | Research Assistant (RTH) (AC0006) |
| Department | AI Chip Center for Emerging Smart Systems Limited https://inno-access.hk |
| Institution | The Hong Kong University of Science and Technology (HKUST) Hong Kong, , Hong Kong |
| Date Posted | Mar. 13, 2024 |
| Application Deadline | Open until filled |
| Position Start Date | Available Immediately |
| Job Categories | Graduate Student |
| Academic Field(s) | Electrical and/or Electronics Computer Engineering Computer Science |
| Job Website | https://inno-access.hk/research-assistant-rth |
| Apply By Email | hraccess@ust.hk |
| Job Description | |

Job Description

ACCESS is a multi-disciplinary center for advancing IC design and design automation technologies to enable novel data-centric computing paradigms supporting a wide range of AI applications. The research agenda in ACCESS is organized into four research programs, addressing four key technical areas, including 1) Enabling Technology for Emerging Computer Systems, 2) Architecture and Heterogeneous System Integration, 3) AI-Assisted EDA for AI Hardware, and 4) Hardware-Accelerated

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AI Applications.

ACCESS is seeking high caliber appointees for multiple full-time positions of Research Assistant of our **four research programs** through the scheme of Research Talent Hub (RTH) of Innovation Technology Commissioner.

Responsibilities

The **Research Assistants** are expected to be involved in the development of one or multiple research programs and projects in the Center. He/she will conduct research and development tasks that are assigned by the Principal and/or Senior Researchers. He/she is required to station and work at the Hong Kong Science Park, with occasional business travels to HKUST Clear Water Bay Campus and other Partner Universities of the Center when needed.

Requirements

Applicants should have a **master degree (MSc or MPhil)** preferably in electronics, electrical or computer engineering, computer science, or equivalent, with proven experience in integrated circuit design, design automation or broadly microelectronics and specialized in at least one or more of the technical areas of our four research programs. He/ She must be **legally permitted to work in Hong Kong**; and in possession of a **master degree of a STEM (i.e. Science, Technology, Engineering and Mathematics)-related discipline** awarded by a local university, or jointly awarded by a local university together with a non-local university. Specifically, R&D as well as hands-on implementation experiences in the following area(s) with relevance to the design of AI accelerators are preferred (but not limited to):

- **ASIC design, FPGA prototyping, AI algorithm design;**
- **Strong programming skills of at least one of the following languages: Verilog/VHDL, System Verilog, Python, C/C++, Matlab;**
- **R&D experiences of using Cadence and Synopsys EDA tools or machine learning frameworks such as Caffe, Tensorflow and PyTorch.**

The ideal candidate should have strong R&D motivation and sense of responsibility, ability to multi-task and work independently, and a good command of written and spoken English.

Terms of Appointment

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Starting salary will be commensurate with qualifications and experience. Fringe benefits including annual leave, medical and dental benefits will be provided. (Duration: 1 year, renewable)

ACCESS is an equal opportunity employer and welcomes applications from all qualified candidates.

Application Procedure

For applications/nominations, please apply with a **full curriculum vitae indicating their current and expected salaries**. Review of applications will begin shortly and continue until the positions are filled. Only shortlisted candidates will be notified.

(Information provided by applications will be used for recruitment and other employment-related purposes.)

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Human Resources
AI Chip Center for Emerging Smart Systems Limited
By the Hong Kong University of Science and
Technology (HKUST)
Hong Kong
Hong Kong

Contact E-mail hraccess@ust.hk