

I. COMPANY INFORMATION

Company Name:	Centre for Advances in Reliability and Safety (CAiRS)		
Address:	Unit 1212-1213, 12/F, Building 19W, Hong Kong Science Park, Pak Shek Kok, NT, Hong Kong		
Background:	Centre for Advances in Reliability and Safety Limited (CAiRS), initiated by The Hong Kong Polytechnic University, is a research centre admitted under AIR@InnoHK cluster and was established in 2020 with its operation located in the Hong Kong Science Park, New Territories, Hong Kong. The mission of CAiRS is to link up academic and industrial counterparts to introduce and implement new artificial intelligence methods and deep learning techniques with reliability modelling, with the goal of improving the products reliability and systems safety of critical components and devices, products, systems and sub-systems designed, commissioned and/or manufactured by Hong Kong companies and enterprises. More information about the company can be found at http://www.cairs.hk .		
Type of Industry:	Research & Development	Website:	https://www.cairs.hk/
Contact Person:	Ms Jenny Ng (Admin Manager)	Tel:	2162 5156
Email:	careers@cairs.hk		

II. POSITION OFFERED

Job Title:	Postdoctoral Fellow / Research Associate	No. of Vacancy:	13
Job Description:	<p>(a) design experiments as required in the health monitoring of modern mechanical/electronic systems;</p> <p>(b) develop feature recognition algorithms and create simulation models for different defects in the interconnections of the electronic assemblies;</p> <p>(c) prepare and publish relevant research papers in high-tier peer-reviewed journals.</p>		

III. JOB REQUIREMENTS

- Job Requirements:**
- MPhil or PhD in Engineering, Physics, Computer Science, Electronic Engineering, Information Engineering, Statistics, Data Science, Mathematics, or related discipline.
 - Candidates with research background in **one** of the following areas are encouraged to apply:

Program 1

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| <ol style="list-style-type: none"> 1. Object Recognition 2. Image-understanding 3. Machine Learning 4. 3D reconstruction 5. Image Enhancement 6. Video Summarization 7. Augmented Reality 8. Time-series prediction |
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Program 4

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| <ol style="list-style-type: none"> 1. Data Driven Modeling 2. Physics of Failure Analysis 3. Machine Learning 4. Time-series prediction 5. Object Recognition 6. Image-processing |
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- Knowledge and solid experience in C/C++, Python, etc.
- Good command of written and spoken English and Chinese.



產品可靠性暨系統安全研發中心
CENTRE FOR ADVANCES IN RELIABILITY AND SAFETY
A Research Centre admitted under AIR@InnoHK Cluster

IV. TERMS

Working Days:	<u>5</u>	Working Hours:	<u>9am-6pm</u>
Annual Leave:	<u>12 days</u>	Monthly Salary:	<u>Negotiable</u>
Other Benefits:	<u>Medical & dental insurance, flexible working hours, work-life balance, free drinks & snacks, excellent working environment.</u>		

V. APPLICATION

Application Method:	<u>Please email the completed application form, together with a full resume, with current and expected salary to careers@cairs.hk.</u>
Deadline:	<u>Recruitment will continue until the position is filled.</u>