Centre for Advances in Reliability and Safety Limited (CAiRS), initiated by The Hong Kong Polytechnic University, is 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.

**Programme Manager** (Ref. No.: CAiRS-PM/P1.1-3)  
[Appointment period: twenty-four months initially; with possibility of further appointment]

**Duties**

The appointee will report to Programme Leader and assist in leading and monitoring the research projects – “Informative feature discovery and selection”, “Early detection of degradation in electronic interconnects” and “Anomaly detection for systems under indeterminate operating conditions” in the areas of electrical reliability and safety, machine learning and computer vision. He/she will be required to:

(a) develop objectives and design research programs and proposals;
(b) formulate and evaluate research strategies and approaches;
(c) formulate experiments, perform data analysis, and evaluate test and research results;
(d) monitor and report ongoing projects;
(e) supervise and advise project team members;
(f) formulate research methodologies and compose research findings for publications, grants, and other documents;
(g) assist in grant and manuscript submissions; and
(h) perform any other duties as assigned by the Centre Director or his delegates.

**Qualifications**

Applicants should have:

(a) a doctoral degree in Science and Engineering or an equivalent qualification;
(b) at least seven years of research-related experience in the fields of electrical reliability or safety, machine learning or computer vision;
(c) knowledge and sound understanding of related research methodologies; and
(d) experience in research publications and grant applications.
Remuneration

A highly competitive remuneration package will be offered. Applicants should state their current and expected salary in the application.

Application

Please send a completed application form, together with a detailed curriculum vitae via email to CAiRS.carers@polyu.edu.hk. Application form can be downloaded from https://www.polyu.edu.hk/hro/job/en/form/hrformcairs.docx. Recruitment will continue until the position is filled. The CAiRS reserves the right to fill or not to fill the position. Personal data provided by applicants will be used for recruitment and other employment related purpose. The Personal Information Collection Statement for recruitment can be found at https://www.polyu.edu.hk/hro/job/en/aff-ass/CAiRS/PICSCAiRS.pdf.

CAiRS is an equal opportunity employer committed to diversity and inclusivity. All qualified applicants will receive consideration for employment without regard to gender, ethnicity, nationality, family status or physical or mental disabilities.

30 July 2020