

Date: 15 May 2020

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Circular to Professional Institutes / Associations

Dear Sir / Madam

GRANT CALL FOR BUILT ENVIRONMENT ROBOTICS R&D PROGRAMME

Introduction

The Built Environment (BE) Robotics R&D Programme is a multi-agency effort, led by the Building and Construction Authority (BCA) together with the National Robotics Programme (NRP). It recognises the opportunities that robotics can offer in improving efficiency, safety and quality of work processes, reduce manpower and create new higher value job opportunities in the BE sector.

Eligibility

2 Principal Investigators (PIs) from all Singapore-based institutions of higher learning (IHLs), public sector agencies and not-for-profit research laboratories as well as companies and company-affiliated research laboratories/institutions, are eligible to apply.

3 The Lead PI who leads the Research must be based in Singapore. Collaboration with foreign organisations and experts in the capacity of Co-Principal Investigator (Co-PI), or Collaborator is allowed. Research work shall be done in Singapore unless expressly approved by the grantor.

4 Grant applicants shall collaborate with companies in the BE industry and government agencies to develop innovative solutions that can address the call objectives and demonstrate strong potential for real-world application within Singapore. The collaboration, whether as Co-PI or Collaborator, shall be included in the proposal.

Scope of grant call

5 The following are the topics under this grant call:

- a) **Centralised geo-spatial imaging & measuring systems for inspections** – evidence based smart inspections for building projects
- b) **Optimising earthworks with robotics** – autonomous fleet operations for heavy construction equipment

Funding support

6 Singapore-based IHLs, public sector agencies and not-for-profit hospitals and research laboratories will qualify for up to 100% funding support of approved qualifying direct costs of a project. In addition, support for indirect costs, in the form of overheads, will be provided for Singapore-based IHLs and not-for-profit entities. The funding support for indirect costs is up to 20% of the total qualifying approved direct costs (less exceptional items).

7 Private sector companies and company-affiliated research laboratories or institutions will qualify for up to 70% of funding support of the approved direct qualifying costs of a project.

8 R&D proposals already funded by other government agencies will not be considered. PIs and supporting agencies will need to declare other funding sources as well as participation in other funding initiatives during application. Proposals with similar scope, which are currently under evaluation by other funding initiatives, will not be considered until the results from the other funding initiatives are finalised.

Application

9 The full details of the grant call and all related documents can be downloaded from the following website:

<https://www1.bca.gov.sg/buildsg/buildsg-transformation-fund/built-environment-robotics-r-d-programme>

10 All proposals must be submitted to BCA_ROBOTICS@bca.gov.sg by 30 June 2020, 2359 hrs. Late submissions or submissions from individual applicants without endorsement from the Host Institution will not be entertained. It is advised to restrict submissions to 10MB.

11 For more information, please contact the programme secretariat at: BCA_ROBOTICS@bca.gov.sg

Thank you.

A handwritten signature in black ink, consisting of several fluid, overlapping strokes that form a stylized, elongated shape.

CHENG TAI FATT
MANAGING DIRECTOR
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