

Our Ref: BCA 94.22.1
Date: 20 May 2020

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Circular to Professional Institutes / Associations

Dear Sir / Madam,

SHARING ON PROJECT TOPICS FOR CITIES OF TOMORROW (CoT) R&D PROGRAMME – 3RD GRANT CALL (BATCH 1)

Background

1. The Building and Construction Authority (BCA) and Housing & Development Board (HDB) would be launching the Third Series (Batch 1) of grant calls under the Cities of Tomorrow R&D Programme, a multi-agency effort led by the Ministry of National Development (MND) by May 2020. The programme is funded under the National Research Foundation (NRF), as part of the Urban Solutions and Sustainability (USS) domain under Research, Innovation and Enterprise 2020 (RIE2020).

Eligibility

2. The grant calls are open to all Singapore-based Institute of Higher Learnings (IHLs), public sector agencies and not-for-profit research laboratories, as well as companies and company-affiliated research laboratories/institutions to submit proposals on solutions that meet the objectives of these grant calls.

3. The Lead Principal Investigator (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 as Collaborator is allowed.

4. Grant applicants are strongly encouraged to collaborate with industry partners to develop innovative solutions that can address the call objectives and demonstrate strong potential for real-world application within Singapore.

Briefing Session

5. A virtual briefing session will be held on **27th May 2020, Wednesday** to share more on the details of the projects to be launched. Grant applicants are invited to join the session at the scheduled timeslot of the projects by accessing the following link:

27 May (Wed)	Join Microsoft Teams Meeting
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Time	Project	Remarks
2.00 pm – 2.30 pm	<u>Vertical 1: Advanced Construction</u> Development of Non-intrusive Geophysical Survey Technologies for Bored Tunnelling Works <i>This project aims to develop non-intrusive geophysical survey technologies to detect and eliminate the occurrence of sink holes.</i>	15 mins: Presentation 15 mins: QnA
2.30 pm – 2.45 pm	Break	
2.45 pm – 3.15 pm	<u>Vertical 1: Advanced Construction</u> Fit-for-purpose Engineered Soft Clay for Building and Construction <i>This project aims to develop fit-for-purpose engineered clay aggregates for non-structural building and construction applications.</i>	15 mins: Presentation 15 mins: QnA
3.15 pm – 3.30 pm	Break	
3.30 pm – 4.00 pm	<u>Vertical 2: Resilient Infrastructure:</u> Climate Change Impacts on Service Life of Building Façade Materials <i>This project aims to determine the change in material service life for critical common façade materials used on building façade in</i>	15 mins: Presentation 15 mins: QnA

	<i>Singapore under the effects of climate change.</i>	
4.00 pm – 4.15 pm	Break	
4.15 pm – 4.45 pm	<p><u>Vertical 4: Greater Sustainability</u> Forest Restoration Digital Companion: A Social-Ecological-Technical Systems Approach</p> <p><i>The objective of this call is to develop a forest restoration digital companion, which comprises a suite of interoperable tools aimed at providing systematic decision support for forest restoration efforts in Singapore and enhancing current forest restoration workflows. The five components to be included are 1) Near-term forest dynamic forecast 2) Spatial prioritisation and decision support 3) Native plants logistics and management 4) reforestation monitoring system 5) progress tracker and dashboard.</i></p>	15 mins: Presentation 15 mins: QnA

Enquiries

6. Please direct any enquiries relating to the grant call or project topics to **both** cot_submission@mailbox.hdb.gov.sg and BCA_COT@bca.gov.sg.

Sharing of Contact (optional)

7. To facilitate collaboration amongst the research community, we would also be collating a list of contact details and areas of expertise of interested parties. Thereafter, these details will be circulated to those who have shared their details. This will allow parties to contact and possibly collaborate with one another. If you are interested, please fill in the form accessible at go.gov.sg/cot-gc3-batch1 by **29 May 2020**.



Thank you.

A handwritten signature in black ink, appearing to be 'CHENG TAI FATT', written diagonally.

CHENG TAI FATT
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