

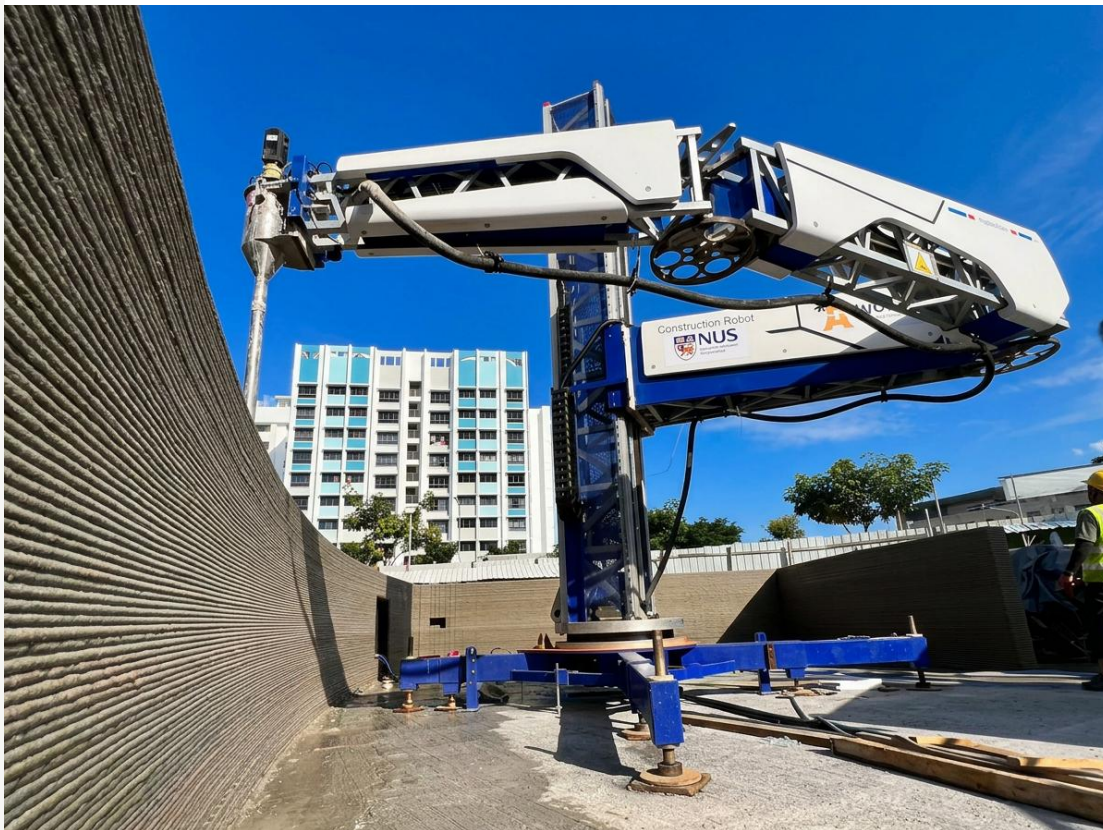
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SGBC LUNCH AND LEARN

SGBC Lunch and Learn with R.A.K. Materials: Reimagining Circular Construction with 3D Concrete Printing

Friday, 11 September 2026 | 12:30PM - 2:00PM | In-Person Event



What if construction waste could become the walls of tomorrow's buildings? Join us for this SGBC Lunch and Learn, powered by SGBC Member R.A.K. Materials Consultants Pte Ltd, as we explore a new approach to sustainable construction in Singapore.

Drawing on pioneering research, the session examines 3D concrete printing using 100% recycled concrete fine aggregate (RCFA), demonstrating how end-of-life concrete can be diverted from landfill and transformed into a printable material that reduces reliance on natural sand while lowering carbon emissions. Participants will gain insights into the

science behind mix design, AI-based aggregate characterisation, and the challenges of achieving consistent printability with recycled materials.

The session concludes with real-world case studies, including Singapore's first on-site 3D-printed childcare centre and other printed projects around the world, illustrating how circular economy principles and digital construction are redefining one of the building industry's most essential materials.

REGISTER HERE

PROGRAMME DOCUMENT



LEAD TRAINER

Mr. Lu Jin Ping

Chairman, Asia Laboratories Pte Ltd;
Immediate Past President,
American Concrete Institute (Singapore
Chapter)

Event Details

12:30PM - 2:00PM

Friday, 11 September 2026

Collaboration Space, Singapore
Sustainability Academy, 180 Kitchener
Rd, #06-10, Singapore 208539 ([Google
Maps](#))

Fees (Lunch Included)

SGBC GMPs: \$20

SGBC Member: \$20



Limited Places Available

Education Partner:



**R.A.K.
MATERIALS CONSULTANTS
PTE. LTD.**

CPD Points

SGBC-GMP: Pending

SCAL-CPAS: Pending

IMPORTANT NOTES

Please ensure that a valid and active email address is used for registration as the event details will be sent directly to the participants. If you are registering on behalf of a participant, please use their name and contact details for registration.

SGBC reserves the right to amend the event programme without prior notice. SGBC reserves the right to allocate registrations to ensure a well-balanced representation of professions at each event for the best learning outcomes. Professional CPD points will only be awarded after verification of in-person attendance. Full payment must be received at least three days before the event.

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