



## E-LEARNING

100% online. May include pre-recorded session, live streaming/webinar and discussion forum, where applicable.

### ONLINE LEARNING VIA WEBINAR

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**TIME:** 9.00am to 6.00pm

**DURATION:** 16 hrs

**DELIVERY MODE:** e-Learning via webinar and BCAA Learning Management System (LMS)

**FEE** (incl of GST): S\$700.00

SkillsFuture Singapore (SSG) funding is available for eligible participants as follows:

Singaporeans 40 years old and above OR SME company sponsored Singaporeans or Singapore PRs. Fee payable after 70% funding support	S\$242.05 (incl of GST)
Singaporeans, Singapore PRs and non SME company sponsored participants. Fee payable after 50% funding support	S\$372.89 (incl of GST)

Participant must achieve at least 75% attendance and pass all assessments. BCA Academy reserves the right to recover the funded amount from the participant (self-sponsored) or employer (company sponsored) if participant did not meet the eligibility criteria. Details of SSG's funding can be found in <https://www.enterprisejobskills.gov.sg/content/upgrade-skills/course-fee-and-absentee-payroll-funding.html>

(TGS-2022012772)

### CPD POINTS

**BOA-SIA:** -

**PEB:** -

# COMPUTATIONAL BIM

## SYNCHRONOUS E-LEARNING

### INTRODUCTION

Computational BIM approach enables professionals from the built industry to explore and automate more design options leading to desired solution for productivity gain. The design approach also makes the creation of complex geometry possible and accurate.

This 2-day online workshop covers the practical applications, modelling workflow and integration of model with BIM software to enhance the design process. Participants will be equipped with practical computational BIM skills and technical knowledge through the hands-on sessions.

### CONTENTS

- Computational Design Tools
- Design Automation: Parametric Façade, Data Flow
- Data Structures & Flow Control
- Data Exchange & Export
- BIM Integration

### LECTURER

**ALOYSIUS LIAN** is the principal of LianArchitects and an Adjunct Assistant Professor at Singapore University of Technology and Design. He has practiced and taught architecture in the United States and Singapore, after graduating from Pratt Institute with a Master of Architecture. He has completed a wide range of buildings from small scale residential to large scale institutional projects. Aloysius has worked extensively with various types of generative design and computation simulation software. As a LEED AP, he is adept at computational techniques of Environmental Simulation, Design and Optimization.

### TARGET AUDIENCE

- Architects
- Architect Associates
- Architect Assistants
- Engineers
- Contractors
- BIM Managers
- BIM Coordinators
- BIM Modellers

### PRE-REQUISITE REQUIREMENTS

- As the workshop will be delivered online, applicants should possess basic computer skillsets. No prior BIM experience is required.
- Upon course confirmation, applicants are required to install BIM and Computational BIM software (free or trial version) on their own computers/laptops, prior to course commencement. List of BIM and Computational BIM software to be provided separately.
- Recommended hardware requirement:
  - RAM: 8 GB
  - Hard disk space: 6 GB or more for installation

### ASSESSMENT & AWARD

e-Certificate of Successful Completion (e-CSC) will be awarded to participants who meet the attendance requirement and pass the required assessment.



### REGISTRATION

To register, please log into our Online StoreFront (OSF) at <https://eservices.bcaa.edu.sg/registration/#/> Login or scan QRcode and search for course code **78087**