Construction industry is very keen to adopt computational BIM to optimise design and improve productivity in design stage. In addition computational BIM shall be used in construction stage to automate certain process. In order to meet the requirement of construction industry, Rhino – Grasshopper – ARCHICAD toolset connects the best design tools. They offer solutions for seamless, bi-directional geometry transfer as well as a way to translate basic geometrical shapes into full BIM elements while adding algorithmic editing functionality.

This workshop is based on Rhino – Grasshopper – ARCHICAD live connection. Grasshopper (GH) is a node-based algorithm editor integrated with Rhino modeling tools. Algorithms are used to describe logical relationships among design parameters that define the parametric model. Through algorithms, the user is able to establish a set of rules that define the sequence of operations, thus aiding the design process.

The Grasshopper-ARCHICAD Live Connection offers a unique, algorithm-based workflow, which helps you explore a large number of design variations and create and fine-tune building details and structures - without exchanging files.

Architects, Engineers and Construction professionals those who are keen to improve their process with computational BIM shall join this workshop to learn the basics of GRAPHISOFT’s Computation BIM solution and apply on their future project.

Date: 26 & 27 July 2018
Time: 10:00am - 5:00pm
Venue: BCA Academy, Block A, Level 2, B2-5
Address: 200 Braddell Road, S579700

Agenda
Day 1
• Grasshopper/Rhino/ARCHICAD introduction & computational BIM concept with hands-on exercise.
• Examples and use case demonstration.
• Presentation 1 - Problem, Challenge, Method (5 mins/Group)

Day 2
• Group exploration and developing the solution with GRAPHISOFT® Experts
• Presentation 2 – Method development, translating problem to sequential logics to step-by-step actions (15 mins/Group)