

eCAADe 2017 - Sharing of Computable Knowledge

- Title of the workshop;
Dynamo: Applications for Design and Optimization

- Full name and affiliation of the workshop organizers, along with a short Bio and their experiences on conference/workshop organization

Colin McCrone (@colinmccrone) is a product manager with Project Quantum at Autodesk in San Francisco. He teaches BIM and computational design at California College of the Arts, and he is a Lynda.com author. Colin was previously the Director of Design Technology at Safdie Architects in Boston and the Computational Design Evangelist for the Dynamo product team at Autodesk. He has also just returned from a summer-long solo cycling trip across the United States.

- Objectives, scope, contribution to the Conference, and expected outcomes or skills acquired by the participants

Workshop participants will learn to use Dynamo for Revit, Dynamo Studio, and the Dynamo Customizer on the web to enable architectural design and workflow automation. We will begin by developing a common understanding of the mechanics of Dynamo, then move on to build a set of scripts together that will include geometric and Revit applications. On day two, emphasis will be placed on extracting the most value from your Dynamo scripts including Industry best Practices, tips and examples for building robust scripts for sharing, and adapting scripts for optimization. We will conclude with a look forward to Autodesk's [Project Fractal](#) and [Project Quantum](#).

- Workshop size: "half day" (4 hours) or "one day" (2 x 4 hours) or "one and half day" (3 x 4 hours) or "two days" (4 x 4 hours);

Two Days (4x4 hours)

- A tentative program:
 - Day 1:
 - Part 1 + Part 2 : Build common Dynamo understanding
 - Day 2:
 - Part 1: Learn to Develop Dynamo Scripts for sharing, and adapting scripts for optimization
 - Part 2: Get peek into Autodesk Future Generative Design Tools.

- Prerequisite skills of participants, and if they are required to bring their laptops

To get the most out of the workshop, participants should have a basic to intermediate understanding of visual scripting including Dynamo. Bring your questions and your challenges.

- Participants have to **bring their own Laptop** and have **Revit 2017 or newer**, and **Dynamo Studio Installed prior to the Workshop**.
 - To access Autodesk Software for Students and Educators use the following Link <http://www.autodesk.com/education/free-software/all>
 - For Participants who want to take a look upfront into Dynamo you can access Autodesk's Visual Programming Guide <http://dynamoprimer.com/en/>
- Logistic and technical requirements, in term of space, wiring, projectors, audio devices, digital recording, laser cutters, printers, etc.
 - Projector (Please test before if the Projector is Strong enough to Project images during Day Time)
 - Power Cords for Participants Laptops
 - Audio Devices (that Presenter can play Videos)
- Number of participants:
10- 15