Dynamo: Applications for Design and Optimization

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OBJECTIVES
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.

SCHEDULE
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.

BIOGRAPHIES
Colin McCrone
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. Previous Workshops led: ACADIA 2014 and 2015, eCAADe 2014, USC BIM Symposium 2014, Facades Plus 2014, 2015, 2017, BILT NA 2017

PREREQUISITE SKILLS OF PARTICIPANTS
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 Autodesk website under the section education (1). For Participants who want to take a look upfront into Dynamo you can access Autodesk’s Visual Programming Guide (2).

REFERENCES