

## 3D to 6D - BIM for a Multiple Building Complex

Grace Wang – Jacobs Engineering Group

### CR3576-P

Using project examples, this class will address the use of multiple software applications as a workflow, dealing with multiple clients/users – all collaborating and coordinating on large scale buildings in one complex. The presentation will cover how to implement BIM from 3D through 6D for design, coordination, simulation, estimating, and facilities management.

This class will discuss techniques used by the team to streamline the design process, software program settings to facilitate BIM use in the construction phase, 4D simulations, visualization of building interfaces, BIM integrated estimating process and procedures, and BIM integrated facilities management.

### Learning Objectives

At the end of this class, you will be able to:

- Learn what BIM can do to better design, construct and operate buildings
- Learn how BIM can interface and integrate with CMMS systems
- Learn best practices and workflow to manage and coordinate a large scale multi-team BIM project
- Learn how to effectively input design model information that can benefit downstream estimating, construction and facilities management

### About the Speaker

Grace Wang is the Design and Construction Visualization Coordinator for Jacobs Arlington, VA office. She has extensive knowledge of BIM aided estimating, 4D modeling, and advanced visualization of facilities. Grace has a Master of Science degree from Penn State University. She provides BIM support to multiple projects focusing on BIM quantification, clash detection, design review, 4D modeling and BIM Integrated Facilities Management. She uses her construction background to help designers design for construction. Grace spans the gap between A/E project designers to ongoing PM/CM projects.

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