



## Reality Capture

### ***Applying Building Information Modeling Processes to the Existing Environment Quickly and Affordably with New, Innovative Technologies***

Building Information Modeling (BIM) has proven to be extremely effective in better planning, analyzing, managing and maintaining facilities by enabling a highly collaborative process for generating highly structured information for the lifecycle of a facility. However, this value has been recognized primarily only on new projects as the time and expense required to model existing facilities have traditionally not been practical.

New, innovative and rapidly developing technologies utilizing photogrammetry, **unmanned aerial vehicles (drones)** and point clouds now make it possible to capture existing environments and convert them into usable models quickly and cost effectively from which you may begin BIM processes early and throughout the lifecycle of a project within an existing setting.



This seminar will demonstrate these new technologies so that you will see first-hand the ability to rapidly capture existing environments and convert them into usable models. Furthermore, it will demonstrate specific BIM processes that will utilize captured models to better visualize, analyze and create meaningful information for projects within existing environments.

#### ***In This Seminar We Will:***

Demonstrate how to use a drone to quickly capture photographs of an existing building and landforms

Demonstrate how to convert photographs into mesh and point cloud models

Demonstrate how to utilize mesh and point cloud models in various building and site modeling applications

Demonstrate various BIM processes with models for visualization, analysis and information management

#### **Event Information:**

**Date:** Tuesday, October 6, 2015

**Time:** 4:00 – 7:00 pm

**Location:** The Club at Nevillewood  
1000 Nevillewood Drive  
Nevillewood, PA 15142

**Cost:** **Free** - Hors D'oeuvres will be provided

**RSVP:** **Email:**  
events@casetech.com  
**Phone:** 412.276.0500  
*Space is strictly limited, so please RSVP as soon as possible.*

