**Designing and Modeling Commercial Projects in SketchUp**

Demonstration of the composition of 2 commercial projects designed and modeled in SketchUp:
- One-story office building
- Four-story boutique hotel

Designing in SketchUp: making the model work for you
- Developing groups and components, the building blocks of the model
- Using layers to organize the model

15 minute question and answer period
- Using scenes to record and achieve easy-to-use, flexible and navigable models

Using SketchUp with AutoCad
- Developing a 3D model from an AutoCad plan and from scratch in SketchUp
- Importing, exporting and coordinating drawings between SketchUp and AutoCad
- Coordinating the work of the architect, coworkers and consultants from within SketchUp
- Exporting the building framework and components for external development and modification
- Reloading consultant or coworker-modified components into the original model

**Construction Drawings**

Using the SketchUp LayOut (Pro Only) Program to Create Presentations and Construction Drawings
- Setting up the SketchUp model for export to LayOut using scenes
- Adding new line work with various dashed qualities
- Setting imported SketchUp drawings to scale
- Importing 3D views and photographic images
- Adding hatches and shading to your drawings to define walls and materials
- Creating a set of plans with as many sheets as are required for output to PDF

Using LayOut's scrapbooks to add pre-drawn symbols
- Drawings

You’ll be able to:

- Learn how SketchUp can be used to design and model two commercial projects: an office building and hotel.
- Learn how SketchUp interfaces with AutoCad to develop plans and drawings.
- Present your commercial building models using photorealistic renderings and movies.
- Place your models in Google Earth to develop real world site context.
- Use SketchUp Pro's LayOut program to create presentations and construction drawings.

This is lecture-based seminar in which the speaker will demonstrate SketchUp features and the model-building process. Attendees who wish to do so may bring their own computers, but the seminar does not include hands-on instruction.

**Learning Objectives**

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**Atlanta, GA**

**Monday, April 11, 2016**

- Learn how commercial buildings are designed and modeled in SketchUp
- Import, export and coordinate drawings between SketchUp and AutoCad
- Create photorealistic renderings and movies
- Develop site topography from CAD surveys or PDFs
- Prepare construction plans

**Continuing Education Credits**

- Architects: 7.0 PDUs
- AIA Learning Units: 7.0
- Professional Engineers: 7.0 PDUs
- Interior Designers: 6.0 CE Hours
- Contractors: Voluntary Cont. Ed.
Christopher A Krupp, AIA Architect  President of Krupp Associates Architects, PC, and SketchUpacademy.com
Mr. Krupp is a practicing architect and president of his own firm in Chicago, Illinois, with a branch office in Asheville, North Carolina. He has been a licensed architect for over 30 years and a user of SketchUp Pro since version 2 was released around 2001.

As the principal architect and designer at his firm, Mr. Krupp utilizes traditional free-hand sketching, AutoCad and SketchUp throughout the design and construction document phases of his work. The integration of SketchUp into the daily work flow plays an increasingly important role in the development of new project designs, both residential and commercial. As SketchUp Pro has the ability to import CAD files as well as export CAD-ready files to AutoCad, designs can be developed in CAD and SketchUp virtually side-by-side with more and more importance being placed on SketchUp.

His latest venture, SketchUpacademy.com, is a SketchUp-oriented website for new and experienced users. The website provides seminar attendees with additional problem solving concepts as well as useful modeling tips and tricks. SketchUp Academy has successfully presented over 40 live seminars and webinars for HalfMoon Education.

Utilizing SketchUp, LayOut (a traditional-style 2D drawing program linked to a SketchUp Pro 3D model) and other add-on extensions and plug-ins, Mr. Krupp produces “sketches,” highly-detailed SketchUp models, photo-realistic renderings, walk-through animations, public hearing and client presentations and, in some cases, construction drawings.

In addition to his work at Krupp Associates Architects, Mr. Krupp has taught SketchUp as an adjunct professor in the continuing education program at A8 Tech Community College in Asheville, North Carolina. Students include architects, landscape architects, engineers, product designers, woodworkers, museum curators and home owners. He has written an extensive book, a copy of which you will receive at the seminar.

Mr. Krupp received a Bachelor of Arts degree in 1975 (summa cum laude) in Architecture while studying at the University of Cincinnati and Ohio University, and he has received numerous awards for his designs of custom residential, commercial buildings and commercial interiors.

The SketchUp Primer
This seminar is open to the public and offers up to 7.0 PDUs to Georgia architects, 6.0 continuing education hours to Georgia interior designers, and 7.0 PDUs to Georgia professional educators. Educators and courses are not subject to preapproval in Georgia. Architects and Interior Designers: This course subject is not classified as Public Protection.

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