

Walk-in Slide: AU 2014 Social Media Feed

1. Click on the link below, this will open your web browser

<http://aucache.autodesk.com/social/visualization.html>

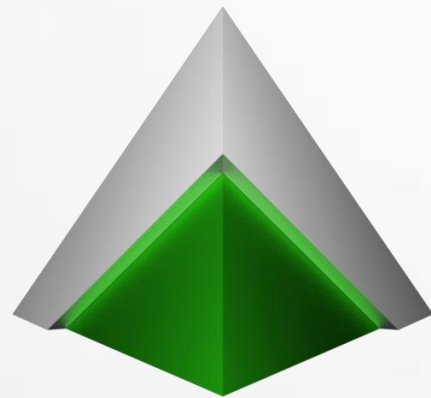
2. Use “Extended Display” to project the website on screen if you plan to work on your computer. Use “Duplicate” to display same image on screen and computer.

VI5189-R Autodesk® Suite to Autodesk® 3ds Max® Interoperability Roundtable

Steven Schain

Spectra3D Technologies - President

Thank You



Spectra3D
TECHNOLOGIES

Class summary

Autodesk design software provides great tools for building complex designs ranging from mechanical to civil, and Autodesk 3ds Max Design software is a great tool for generating visually stunning rendered animations. This roundtable discusses topics related to the use of 3ds Max Design for rendering and animation of CAD models from other Autodesk design software. We will discuss importing and linking models from programs like Autodesk Revit, Inventor, and the use of Civil View for visualizing Civil 3D geometry. We will examine strategies for working efficiently within 3ds Max, the animation of specific moveable parts, and the tools that are available for editing keyframes and tweaking the overall look and timing of the animation. To wrap up the discussion we will review the multiple rendering options available to users in 3ds Max Design and which option can be best suited for a particular task.

Key learning objectives

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

- Import and link CAD data from within 3ds Max Design 2015.
- Understand strategies for working efficiently between Autodesk programs and 3ds Max Design.
- Animate using keyframe animation, edit the keyframes to modify the animation.
- Render the animated sequence using the most appropriate rendering tools for your needs.

My Story...

- Trainer / Instructor
 - Teaching 3ds since 3D Studio DOS Release 3.
 - Autodesk Certified Instructor since 1998.
 - Trainer – The 3D Professor (3ds Max / Maya / AutoCAD)
- Business Owner
 - Started Spectralight Images, LLC, 1984
 - The 3D Professor, 2003, Instructor led training
 - Spectra3D Technologies, 2014, Stratasys sales
 - Graduated BASE Incubator after 4 years in 2014
 - Business development / coaching volunteer



Simple Ground Rules

Please think about these ground rules...

- Keep comments short (think Twitter)
- Give everyone a chance to speak
- Share your solutions (no complaints)
- Talk about what works for you
- No sales pitches please

3ds Max Suite Interoperability



Quick Poll

- Who uses a suite workflow?
- What software?
 - AutoCAD
 - Revit
 - Inventor
 - Civil 3D
 - Maya
 - Alias
 - Other...

Suite Interoperability

- Project / File management and communication
 - Inter department communication
 - Configuration management tools
 - Directory and file naming conventions

Suite Interoperability

- Linking / Importing geometry issues
 - AutoCAD / REVIT link
 - Inventor import
 - Body objects or meshes
 - Civil 3D
 - Civil View or AutoCAD Link
 - Other file formats

Suite Interoperability

- Hierarchies and Animation methods
 - Hierarchy creation methods
 - Helpers or Direct linking
 - Animation methods
 - Use of IK
 - Keyframe vs. procedural animation

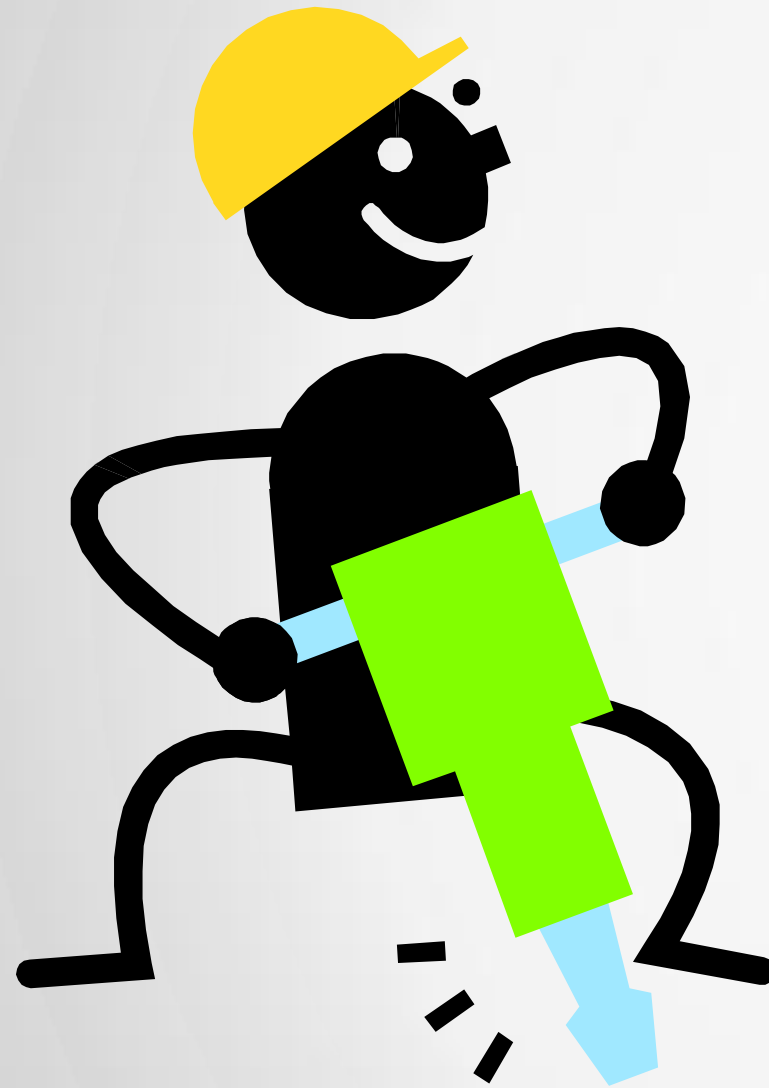
Suite Interoperability

- Materials and mapping
 - Keep default, modify, or create new
 - Use of 3rd party texture libraries
 - Mapscalar WSM

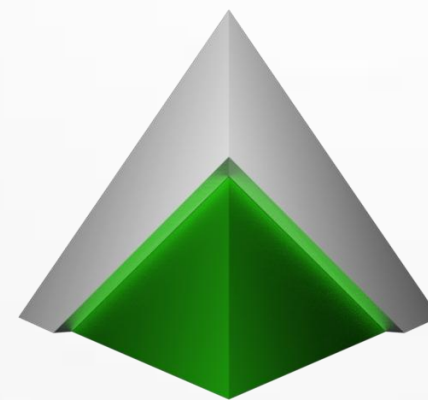
Suite Interoperability

- Rendering and output
 - Renderer of choice
 - Mental Ray
 - Iray
 - Vray
 - Other...
 - Rendering issues and success stories

Thank You



Steven Schain
Steve@sli-3d.com
www.spectra3d.com



Spectra3D
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A group of four young professionals (three men and one woman) are jumping joyfully in a modern office space. They are all smiling and have their arms raised. The man on the left is wearing an orange t-shirt and blue jeans. The man in the center is wearing a blue blazer over a grey shirt and tan pants. The woman on the right is wearing a white shirt and blue pants. The background shows a brick wall, a desk with a computer monitor, and a potted plant.

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