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.

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Basic 3-Axis CAM in Delcam PowerMILL

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Class summary

PE4997-L

This course will examine the fundamentals of a basic 3-axis setup using Delcam PowerMILL. We will start by learning how to set up a part within stock, and then we will use area clearance toolpaths to rough the part. We will then discuss various finishing strategies, moving from a semi-finish to a true finish, and we will follow up with detailing toolpaths, such as auto cornering and pencil cuts. Finally, we will use workplanes and interactive stock models to set up a second position, commonly known as a "flip mill," before analyzing our toolpaths for gouging and collisions and then simulating our numerical control programs.

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Key learning objectives

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

- Learn how to position a part within stock for a 3-axis CAM setup

- Learn how to set up a CNC programming strategy moving from rough to semi-finish to finish to detailing

- Learn how to use workplanes and interactive stock models to set up a second position for a "flip mill"

- Learn how to analyze and simulate NC programs to better ensure quality and avoid gouging and collisions

Thank you

Session Feedback

- Via the Survey Stations, email or mobile device
- AU 2014 passes given out each day!
- Best to do it right after the session
- Instructors see results in real-time

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