

(Please note, the Final Handout will be provided after the AU Presentation)

MFG321077

## **Making the Content Center Do More for You**

Pete Strycharske  
D3 Technologies

### **Learning Objectives**

- Eliminate cumbersome iPart placement by publishing large iPart tables as Content Center families
- Control component numeric values with custom column expressions
- Utilize external Excel spreadsheets to drive data consistency
- Automatically integrate part numbers in Tube & Pipe conduit data

### **Description**

The Content Center is an invaluable Inventor tool primarily used to store standard components and drive design accelerators, such as Frame Generator, Tube and Pipe, and Bolted Connections. Due to the Content Center database structure, there are several advantages for product design and data manipulation. One advantage is to replace large iPart tables with Content Center families. Simply publishing these large families to a custom Content Center Library will greatly reduce the amount of time required to place and modify these components versus placing them via the iPart table. We'll also explore customization techniques offered in the Family table, but particularly via the Microsoft Excel spreadsheet linking. Editing Family tables within Excel unleashes all the power the spreadsheet tools have to offer, simplifying data coordination. Finally, we'll use iLogic to extend the data within the Family table to solve the vexing problem of automatically establishing part numbers for Tube and Pipe Conduit parts.

### **Speaker(s)**

I am an implementation consultant with D3 Technologies, a Platinum Autodesk Partner and Authorized Training Center, based out of our Minneapolis office. I focus primarily on the following areas: engineering design and manufacturability, design automation and configuration, process efficiency and manufacturing layouts. Typically, I will partner with clients to perform an assessment of a design or process, determine some improvements, propose a path forward and develop content / mentor users to implement the project. I'm also an Autodesk Certified Instructor and professionally certified in AutoCAD, Inventor Professional and Fusion 360. I frequent the Inventor and Factory Design Forums / Idea Stations, so if you ever have a question, please just ask! Excited to teach at Autodesk University for the second year in a row and always looking to learn more from all the excellent sessions!

## **Eliminate cumbersome iPart placement by publishing large iPart tables as Content Center families**

What is an iPart and how does it work?

What is a Content Center Family and how does it work?

When to use iParts or Content Center Families?

Special Case: Large iPart Tables

## **Control component numeric values with custom column expressions**

Publish the controls from an iPart table

Create and modify the controls within a Content Center family

## **How to utilize external Excel tables to drive data consistency**

Controlling Content Center family data via Excel

The why and how of storing the external Excel spreadsheet

Accessing the external Excel spreadsheet for Content Center updates

## **How to automatically integrate part number data into Tube and Pipe Conduit Parts Lists**

Considerations inside of the Content Center family table

iLogic rule to get the job done

Setting up and triggering the external iLogic rule