

# UGS CONNECTION



AMERICAS 2008



Siemens PLM Software

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## **Beyond the Model: Communicating with Solid Edge across the PLM Chain**

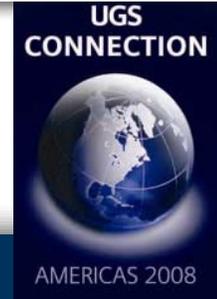
**Dale Dewiel  
Application Engineer  
Quadrant PLM Software LLC  
866-252-1645**

# Quadrant PLM Software LLC



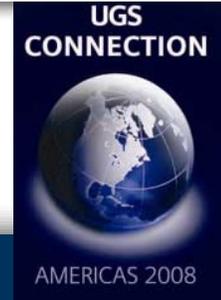
- ▶ A PLUS SYSTEMS
- ▶ SWOOSH TECHNOLOGIES
- ▶ SOLID TECHNOLOGIES
- ▶ APPROPRIATE TECHNOLOGY
- ▶ Texas Missouri Oklahoma Arkansas Illinois  
Kentucky Indiana Ohio Pennsylvania  
New York Maryland New Jersey Delaware

# Quadrant PLM Software LLC



- ▶ 3000 Solid Edge installations
- ▶ 10 Application Engineers
- ▶ Certified Solid Edge Experts and Trainers
- ▶ Certified to Install and Support TCX and Insight
- ▶ Certified FEA and CAM Experts
- ▶ 25 Business and Sales Staff

# Just a Thought



- ▶ CAD - Computer Aided Design
- ▶ Lines on paper and pretty pictures
- ▶ For “engineers only”
  
- ▶ CAC – Computer Aided Communication
- ▶ Communicating design intent
- ▶ Information for all customers



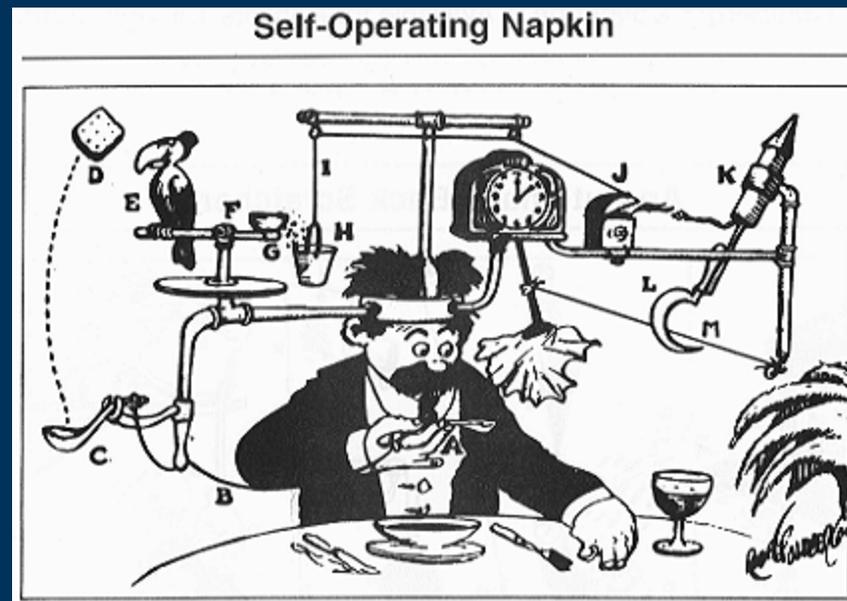
# Who is the Customer?

- ▶ The guy who pays the PO
- ▶ Management
- ▶ Production
- ▶ Quality Control
- ▶ Next designer



# Who is the Customer?

► In 6 months .... YOU



► What was I thinking?

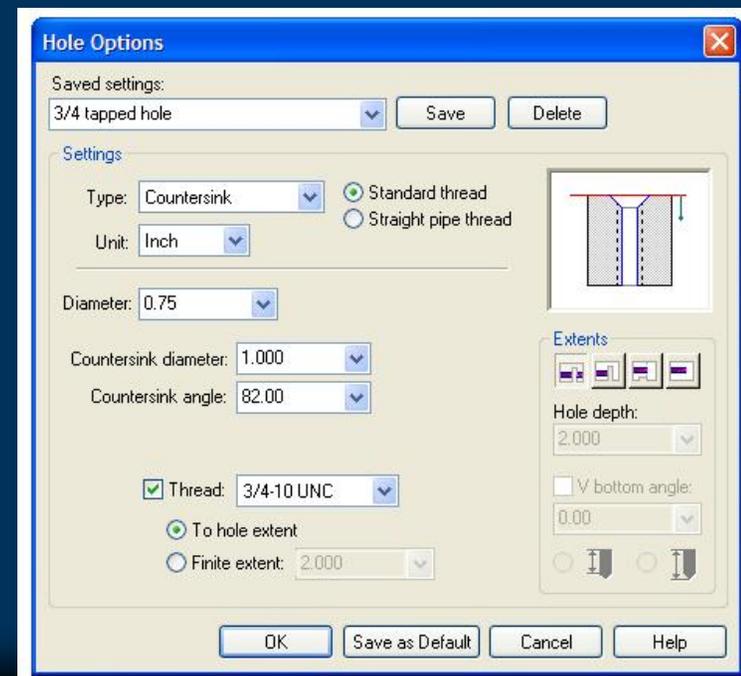
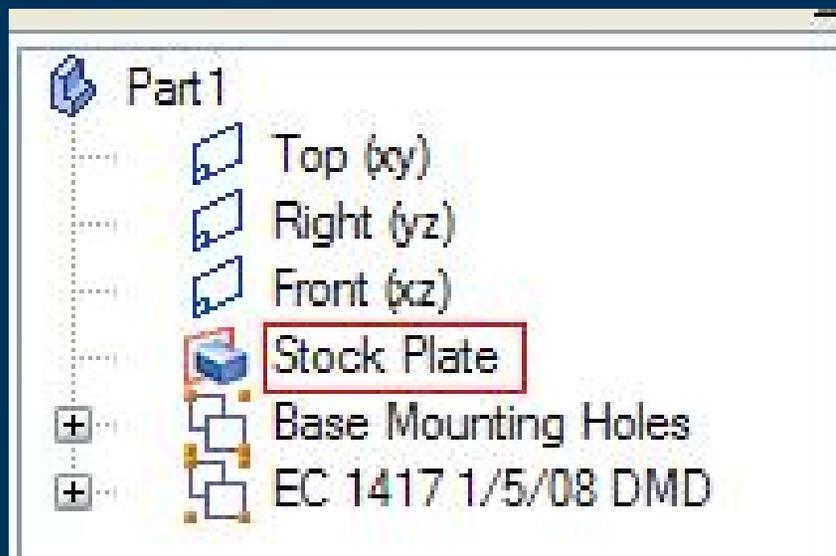
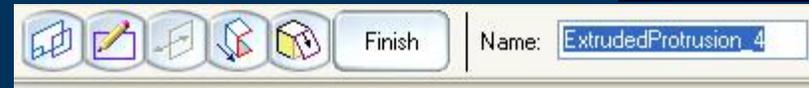
# Communicating with the Edge Bar

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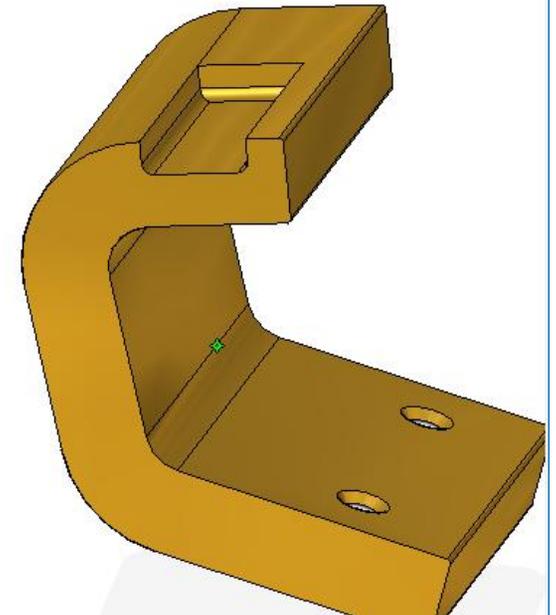
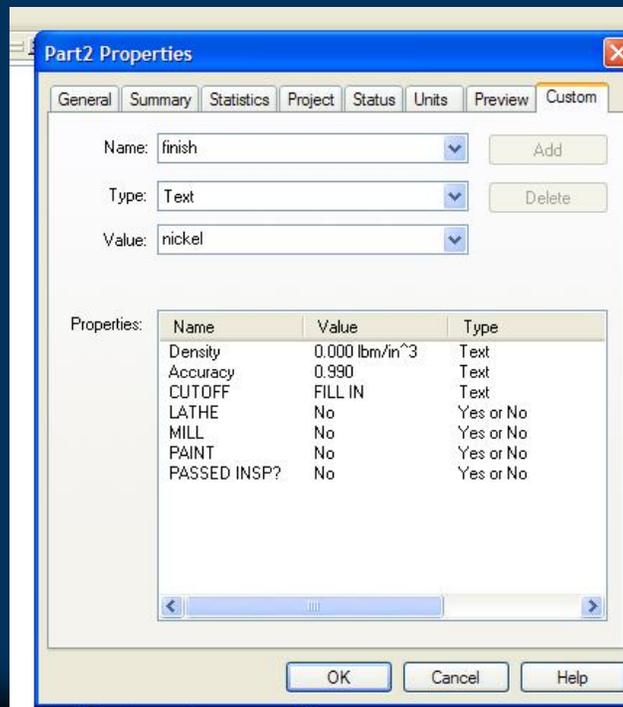
- ▶ Name features
- ▶ Set defaults or save settings
- ▶ Group and rename groups for clarity





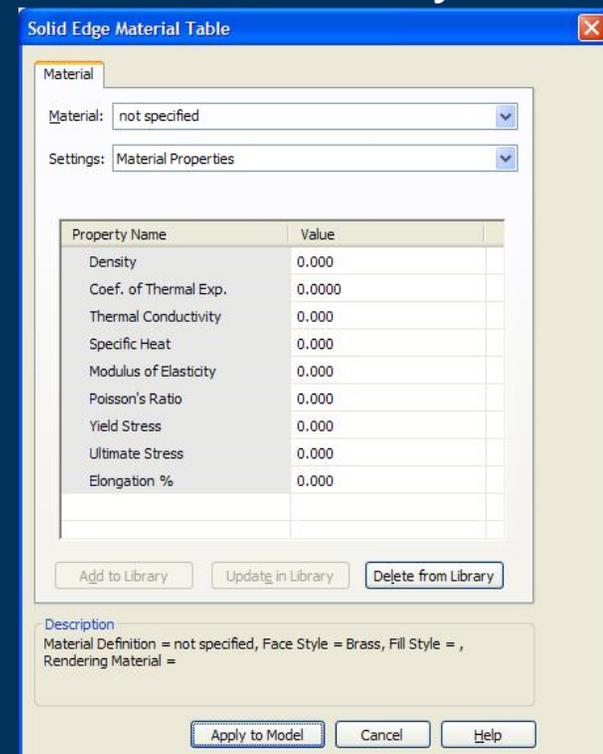
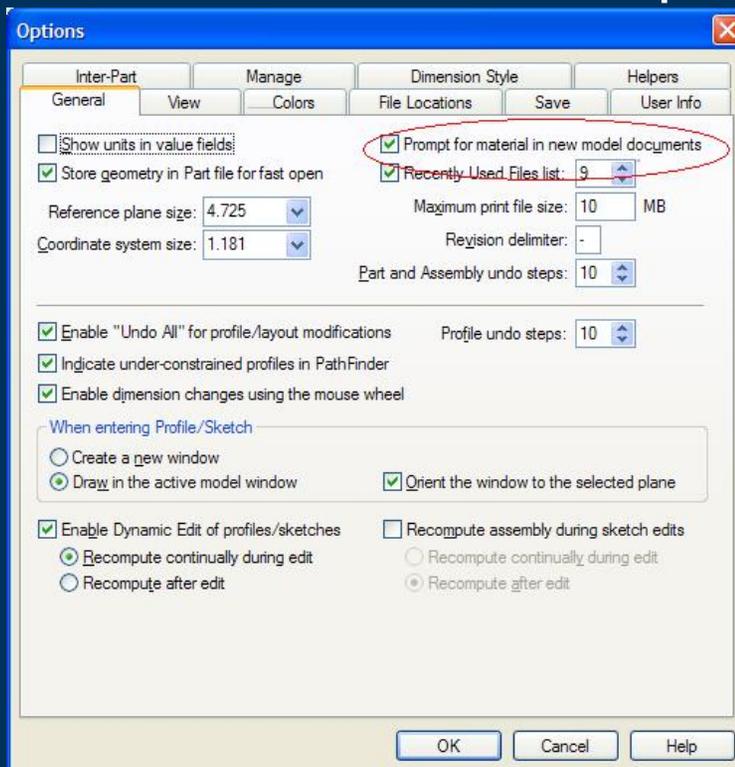
# Communicating with Properties

- ▶ Include Custom Properties in the template
- ▶ Property Manager
- ▶ Overwrite as needed
- ▶ Status



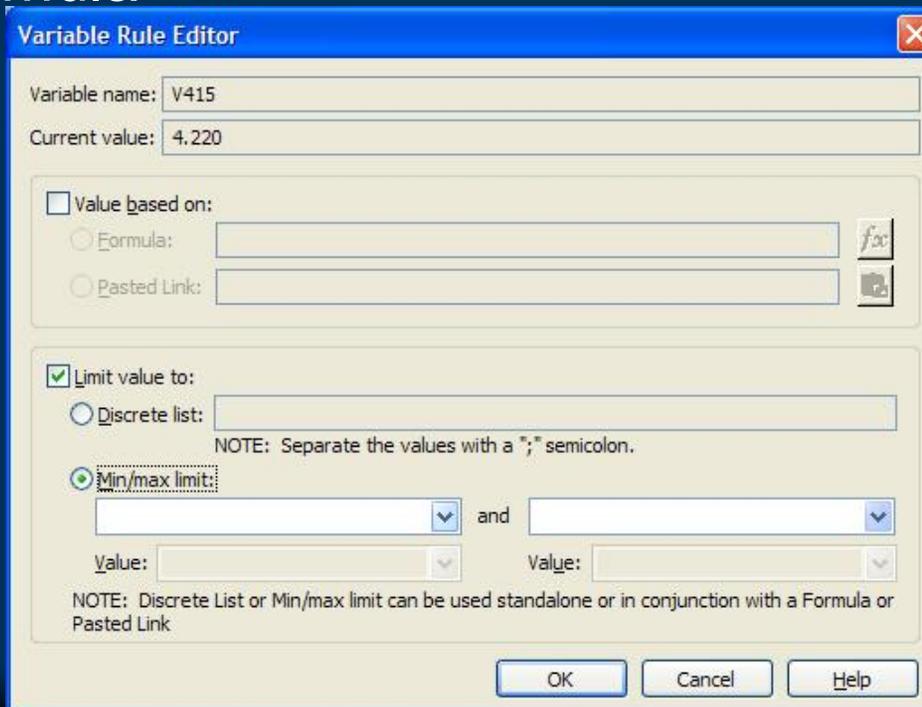
# Communicating With Material Tables

- ▶ Default : “Fill In” or “Not Specified”
- ▶ Set to show at beginning of part creation
- ▶ Name material after part is placed in an assembly



# Communicating with Variables

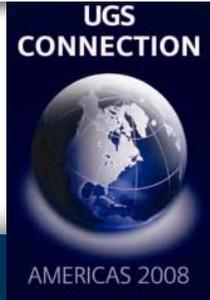
- ▶ Variable Rule Editor
- ▶ Limit
- ▶ Range
- ▶ Formula



The Variable Rule Editor dialog box is shown with the following fields and options:

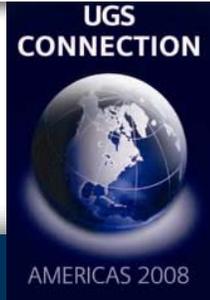
- Variable name: V415
- Current value: 4.220
- Value based on:
  - Formula: [text field]
  - Pasted Link: [text field]
- Limit value to:
  - Discrete list: [text field]
  - NOTE: Separate the values with a ";" semicolon.
  - Min/max limit:
    - [dropdown] and [dropdown]
    - Value: [dropdown] Value: [dropdown]
- NOTE: Discrete List or Min/max limit can be used standalone or in conjunction with a Formula or Pasted Link
- Buttons: OK, Cancel, Help

# Communicating with PMI



- ▶ Model views
- ▶ Named callouts
- ▶ Assembly : comments and file name
- ▶ Add MS Office documents to PCF's to better communicate

# Communicating with Drafting



- ▶ Quick sheets
- ▶ Title blocks
- ▶ Gotcha's
- ▶ Imbedded Movies
- ▶ Organize BOM to your advantage



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Thanks