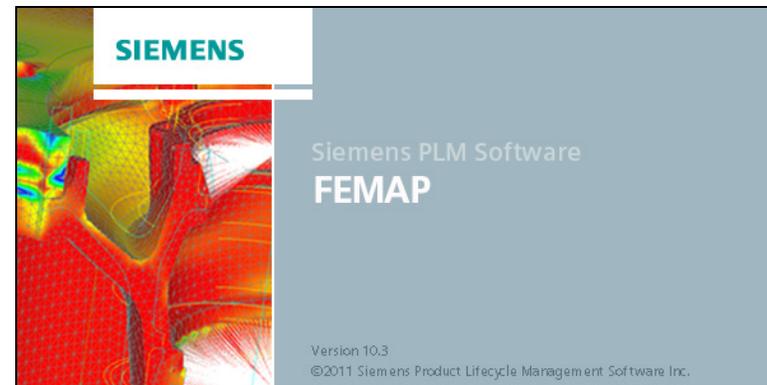
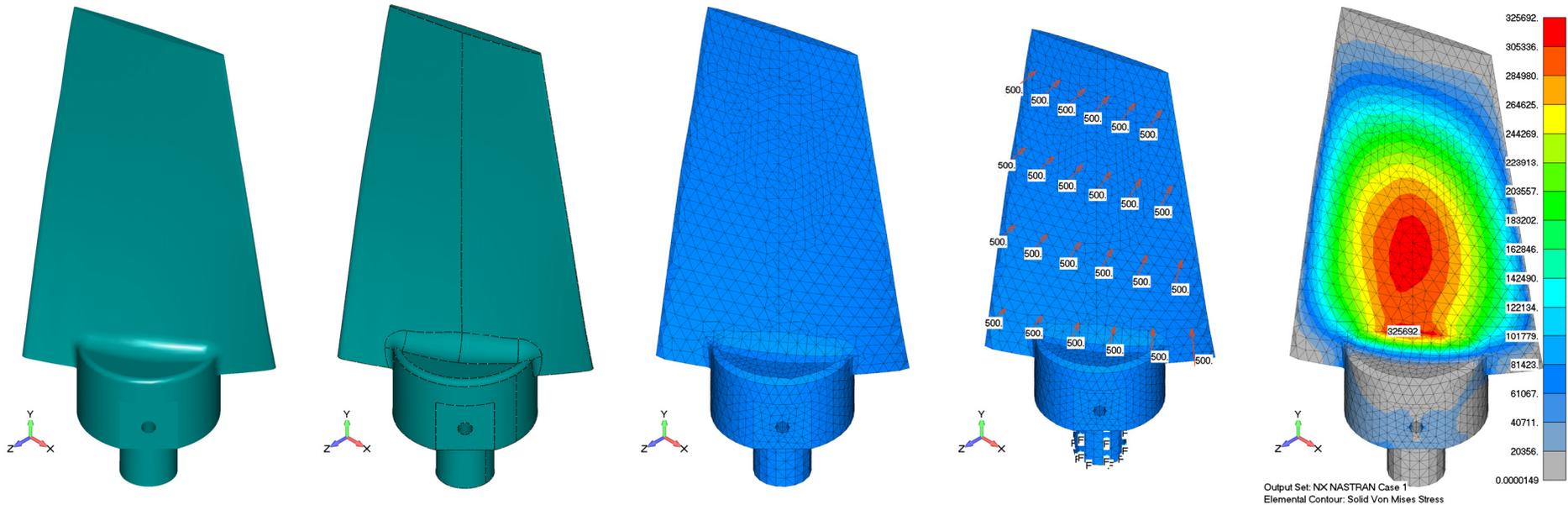


## Seminar Outline

- Femap Analysis Workflows
  - File Menus
  - Model Tree
  - Selector
- Workflow Layout
  - Geometry
  - Material
  - Property
  - Mesh Sizing
  - Meshing
  - Loads
  - Constraints
  - Analyze
- Tips and Tricks
- Next Training Opportunity on October 15-19, 2012

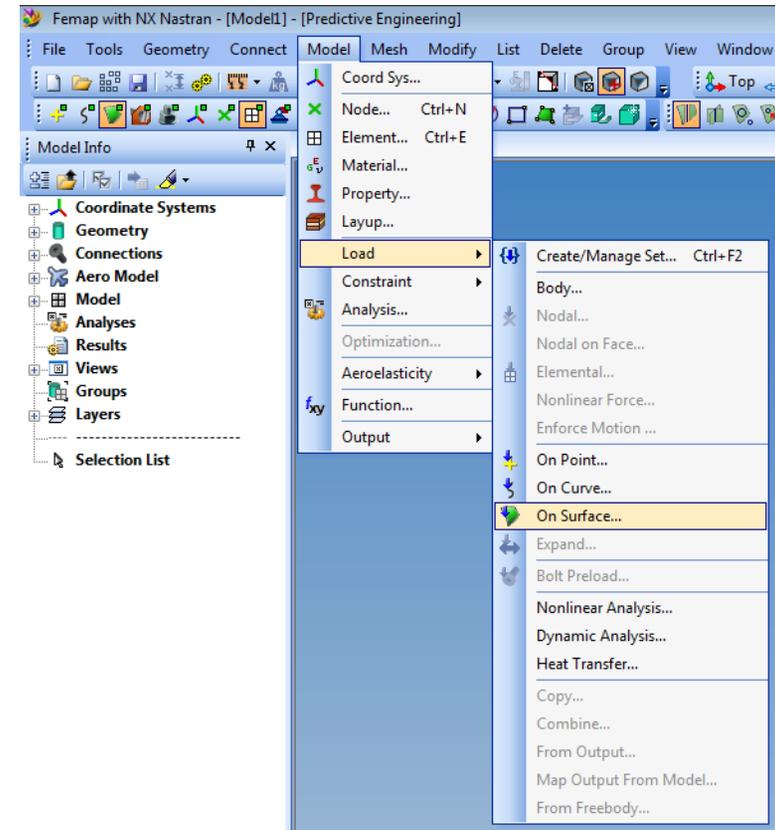
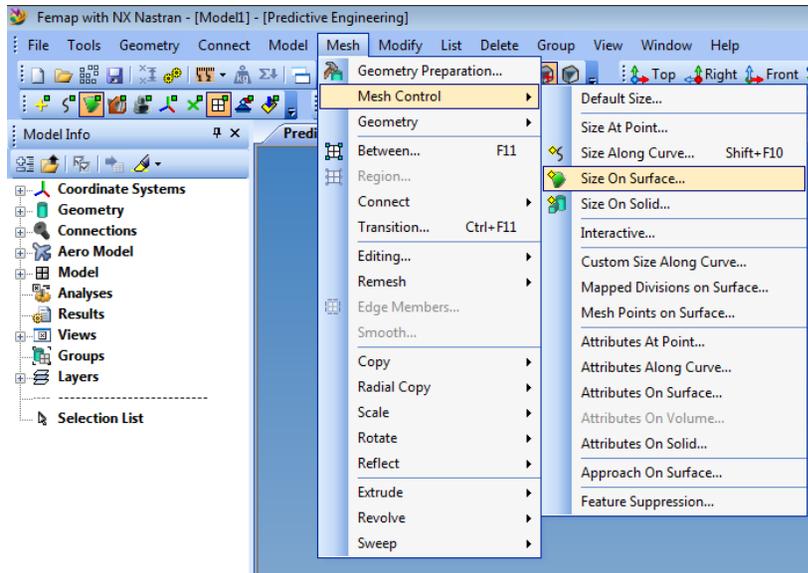




Regardless of the technique used (Selector, File Menus, Model Tree), the workflow always follows the same sequence.

- Geometry
- Material
- Property
- Mesh Sizing
- Meshing
- Loads
- Constraints
- Analyze

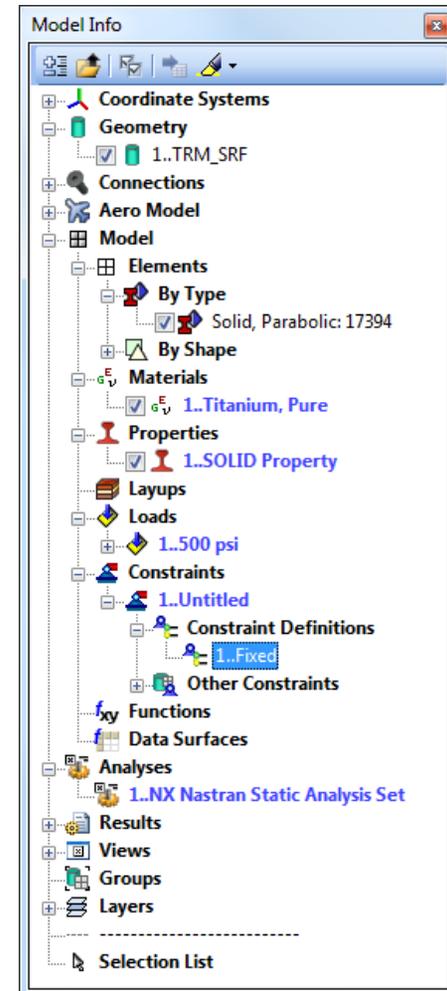
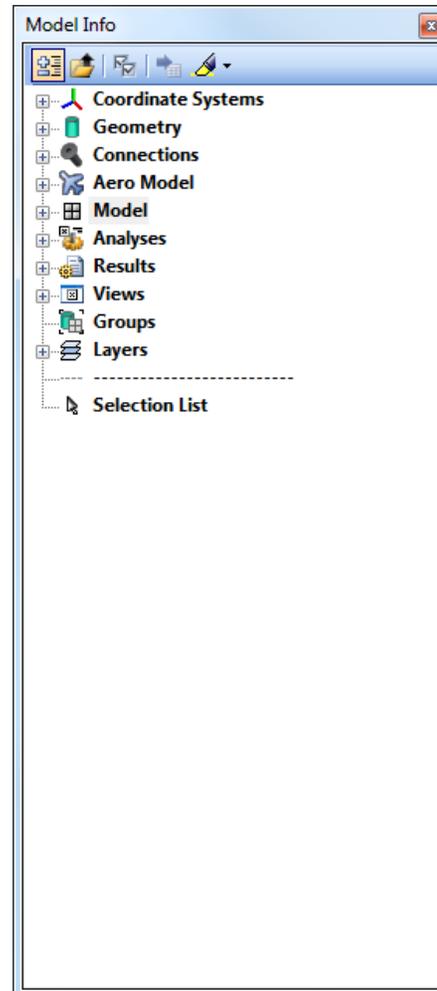
## File Menu Workflow



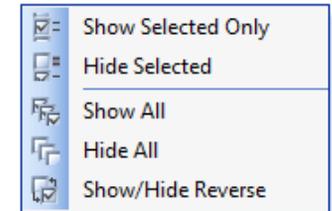
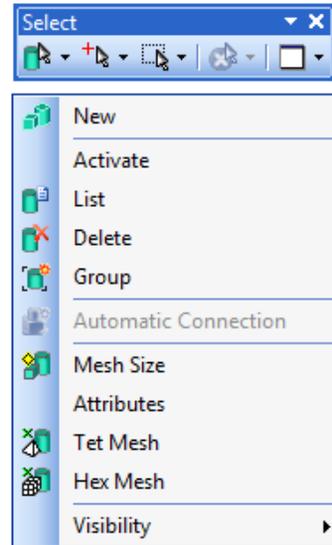
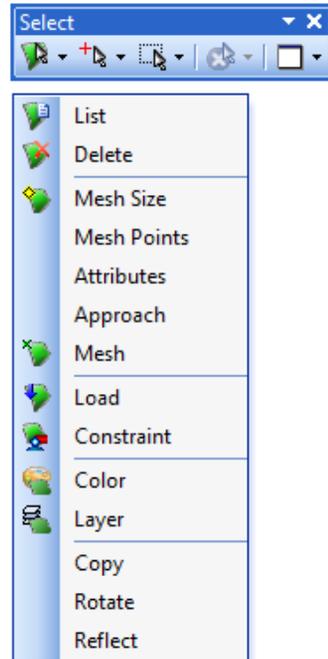
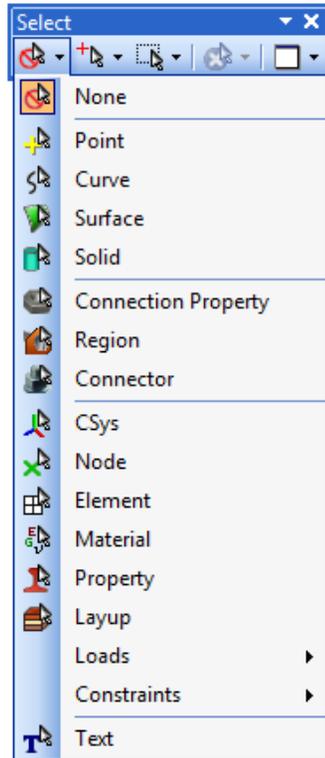
The classic workflow approach. All commands are available and well labeled in the File Menus. This is a great workflow for dedicated analysts because you can see all modeling tools that Femap has to offer.

## Model Tree Workflow

The Model Tree is quick and easy. It is recommended that one starts at the top and works their way down. When advanced pre-processing is unnecessary, it is hard to beat the speed of the Model Tree.



## Selector Workflow



The Selector is the perfect toolbox for the advanced analyst; it provides a combination of speed and a wide selection of options. Once a given entity type is selected, relevant commands can be accessed with the right mouse button. The standard right mouse button commands can be accessed while holding CTRL. Visibility options can be accessed while holding SHIFT.

## GFX Measure API, Adrian Pavageau

```
API Programming
1 Macro GFX Measure: adds graphic measurement arrows. can also start by deleting
2 all graphic elements on screen. Loops until user presses cancel
3 A. Pavageau; 10/10
4
5 Sub Main
6 Dim App As femap.model
7 Set App = feFemap()
8
9 App.feAppMessage(FCM_ERROR,"Macro GFX Measure")
10
11 'option: delete previous gfx elements
12 Dim delPrevGFX As Long
13 delPrevGFX = App.feAppMessageBox(3,"Do you want to delete all previous "& _
14 "graphic elements?")
15
16 Dim ar As femap.GFXArrow, txt As femap.text
17 Set ar = App.feGFXArrow
18 Set txt = App.feText
19
20 Dim GFXSet As femap.Set
21 Set GFXSet = App.feSet
22 GFXSet.ID = 1
23
24 If delPrevGFX = FE_CANCEL Then
25 Exit Sub
26 ElseIf delPrevGFX = FE_OK Then
27 ar.DeleteAll(True,1) 'delete arrows
28 App.feGFXSelect(GFXSet.ID,True,True)
29
30 Dim txtSet As femap.Set
31 Set txtSet = App.feSet
32
33 While txt.Next
34 txtSet.Add(txt.ID)
35 Wend
36 App.feDelete(FT_TEXT,txtSet.ID) 'delete text
37 App.feViewRegenerate()
38 End If
39
```

