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ROI Engineering Inc.

ANSYS Classic Advanced Contact and Fasteners **2 Days**

From contact stiffness and friction to surface-to-surface, node-to-node and bolt pretension elements, this two-day course is designed to analyze contact models that cannot be readily solved using default settings.

Prerequisite: Basic Structural Nonlinearities

Course Topics Include:

- Contact Overview
- Typical Applications & Contact Classifications
- Contact Stiffness
- Basic Concepts & Determining a Value
- Friction Contact and Auto Time stepping
- Surface-to-Surface Elements
- Advanced Options for Special Problems
- Rigid Surface Considerations
- Creating without the Contact Wizard & Troubleshooting
- Node-to-Node Elements
- Node-to-Surface Elements
- Bolt Pretension Elements
- PRETS179 Element and Typical Procedure

Each course chapter is followed by "hands-on" workshops and exercises.

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Engineering for a Return On Investment

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