



**Locations:**

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## Introduction to LS-PrePost®

**Instructor:** Philip Ho, or Q. Yan

**1 Day - No Fee, Students No Fee** w/student ID

Includes on-site continental breakfast, lunch, breaks and class notes

Includes 30-day demonstration license

**Prerequisite:** Not Required

**Objective:** Attendees will learn to use LS-PrePost® to prepare keyword input files for LS-DYNA® and post-process the results.

**Description:** LS-DYNA® users will gain knowledge of LS-PrePost® to better understand and to use pre and post processing for LS-DYNA® analysis data.

**Contents:**

- Overview
  - GUI (graphical user interface) Tour
  - Transition Tips (old v2.4 interface to v4.x new interface)
  - Menus & Toolbars
- General Operations
  - Part Selection
  - Model Selection & Compare
  - Groups & Views
  - Part Colors
  - Annotations
  - FE General Selection Interface
  - Identifying & Blanking (masking)
  - Workshop 1
- Mesh Generation
  - Shape Mesher
  - Auto Mesher
  - N-Line Mesher
  - Solid Mesher
  - Tet Mesher
  - Block Mesher
  - Spotweld Generation
  - Workshop 2

- Pre-Processing
  - Element & Node Editing
  - Normals
  - Detach & Merge (duplicate nodes)
  - Element Generation (beams, shells, and solids)
  - Workshop 3
  - Model Checking
  - Entity (keyword) Display
  - Find Attached
  - Move/Copy
  - Offsetting, Translation, Rotation, Reflection, Projection, Scaling, Transformation
  - Mesh Smoothing
  - Part Trimming
  - Workshop 4
  - Part & Set Data Management
  - Entity (keyword) Management (SPCs, Velocities, Rigidwalls, Cross Sections, History Databases, Boxes, Vectors, Coordinate Systems, Accelerometers, Masses, Spotwelds, Rigid Constraints)
  - Combining Keyword Files
  - Manual Keyword Editing
  - Saving Keyword Files
  - Workshop 5 and Workshop 6 (building runnable input files from scratch)
- Post-Processing
  - Animation Interface
  - Fringe (contour) Plotting
  - Time History Plotting
  - Plot Window Operations
  - ASCII & BINOUT Data Plotting
  - Node Tracing
  - Vector Plotting
  - Measurements
  - Section Cutting
  - Workshop 7 and Workshop 8
- Command File and Macros
  - Generating & Executing Command Files
  - Setting up Function Keys
  - Workshop 9
  - Configuration