



**Locations:**

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## Introduction to Metal Forming

**Instructor:** Q. Yan and Li Zhang

**2 Day - \$400, Students \$200** w/student ID

Includes on-site continental breakfast, lunch, breaks, class notes, Class Dinner  
Includes 30-day demonstration license for practice

**Prerequisite:** Attendees should be familiar with LS-PrePost general features, such as those from the class "Introduction to LS-DYNA and LS-PrePost".

**Description:** PowerPoint presentation combined with hands-on tutorials. This class will review some of the important metal forming features developed in LS-DYNA, and metal forming GUI eZ-Setup in details. Using the hands-on workshops provided, attendees will be able to use LS-PrePost and its metal forming interface to generate required input files for LS-DYNA and conduct metal forming simulations.

### **Contents:**

- Introduction and Overview of LS-DYNA & LS-PrePost
- LS-PrePost general operation (Workshop P1)
- Mesh editing (Workshop P2, P3)
- Mesh transformation (Workshop P4)
- Mesh generation (Workshop P5)
- Tool & blank mesh (Workshop 1)
- Tooling offset & check (Workshop 2)
- Multi-stage process simulation (Workshop 3)
- Multi-flanging setup (Workshop 4)
- Post-Processing (Workshop 5: NUMISHEET'02 fender outer)
- Optional: setting up a job from CAD IGES (Workshop 6: NUMISHEET'08 B-pillar)