



15th LS-DYNA International Conference & Users Meeting

Post-Conference Training (2 days)
Wed & Thurs, June 13th & 14th, 2018, 9am-5pm
Edward Hotel & Convention Center, Dearborn, MI

Metal Forming Training using LS-PrePost and LS-DYNA

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Objective

This course will review some of the important metal forming features developed in LS-DYNA. Using the hands-on workshops provided, students 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.

COURSE CONTENT

Part I: LS-DYNA Basic and Advanced Metal Forming Features (Day 1)

- Introduction
- Overview of LS-DYNA and its application in forming simulation
- Parameters affecting forming accuracy, especially for springback prediction
- Feasibility analysis
- Overview of some important features, such as implicit method, blank size and trimming curve development, Yoshida kinematic hardening, one-step method, etc.
- Material failure prediction.

Part II: LS-PrePost Introduction and Metal Forming Interface (Day 2)

- Overview of LS-PrePost4.3 on the Metal Forming GUI (lspp_parameter, configuration files, etc.)
- 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
- Post-processing forming and springback results - Workshop 5 (NUMISHEET2002 Fender Outer) (180 min)
- Configuration run script and batch queue submit program (Job Manager), etc.

For further information regarding pre- and post-conference training, please consult the conference website www.ls-dynaconferences.com or send email to ConfTraining@lstc.com.