



15th LS-DYNA International Conference & Users Meeting

Pre-Conference Training (1 day)

Sunday, June 10, 2018, 9am-5pm

Edward Hotel & Convention Center, Dearborn, MI

Material Characterization – Test to LS-DYNA[®]

Instructor: Suri Bala

Pre-requisite: 6 months to 2 years of experience in LS-DYNA

Objective

This class provides an overview of the different classes of materials, reviews various tests needed for each material classes, and steps needed to transform the test data into LS-DYNA material cards, followed by verification methods. Primary materials covered in this class include Metals, Elastomers, Polymers, Foams and Honeycomb cellular structure.

COURSE CONTENT

1. Introduction – Explicit and Implicit
2. Material Classifications
3. Test Procedures
4. Characterization Procedures
5. Verification methods
6. Parameter Identification using LS-OPT
7. Conclusions