LSTC CLASSES

Locations:
Livermore Software Technology Corp.
7374 Las Positas Rd. Livermore, CA 94551
1740 West Big Beaver Road Troy, MI 48084
Contact: classes@lstc.com
www.lstc.com/training

Crashworthiness Class in LS-DYNA®

Instructor: Paul Du Bois and Suri Bala
4 Days - $1,250   Students $625 w/student ID
Includes on site continental breakfasts, lunches, breaks, class dinner
Includes 30-day LS-DYNA demo license to practice

Prerequisite   6 months to 2 years experience using LS-DYNA®

Description: The class is designed for engineers and scientists who are looking to effectively use **LS-DYNA®** for **automotive crashworthiness**, **industrial drop testing** or other **low velocity impact** applications. The class starts with a short introduction to LS-DYNA's application in the field of crashworthiness engineering followed by various topics that are essential for every engineer. Topics that will be discussed in the class include Mesh Quality, Mesh Convergence, Shell Element Technology, Connections such as Spotwelds, Contact, Materials, Component modeling, and Best Practices.

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Schedule of Class is on next page

Day 1 - 4

Time	Topics	Instructor
09:00 – 11:00	Introduction and Mesh Convergence	Paul Du Bois
11:30 – 12:30	Spot-weld (Beam)	Suri Bala
13:30 – 15:00	Spot-weld (Solid)	Suri Bala
15:30 – 16:30	Non-Structural Mass and Bolt Connections	Paul Du Bois

Contact

09:00 – 11:00	Introduction	Paul Du Bois
11:30 – 12:30	Contact Energy	Paul Du Bois
13:30 – 15:00	Contact Thickness / IGNORE	Suri Bala
15:30 – 16:30	Contact Stiffness and Segment Based Contact (SOFT=2)	Suri Bala

Material

09:00 – 11:00	Introduction	Paul Du Bois
11:30 – 12:30	Yield Curves and Necking	Suri Bala
13:30 – 15:00	Rate Effects	Suri Bala
15:30 – 16:00	Thermo Plastics	Paul Du Bois

Topics

09:00 – 10:00	Shells Part I	Paul Du Bois
10:30 – 11:30	Shells Part II	Paul Du Bois
12:00 – 01:00	Component Models	Suri Bala
14:00 – 15:00	Mesh Quality	Paul Du Bois
15:30 – 16:30	Quality Assurance	Suri Bala