

10th International LS-DYNA® Users Conference

Post-Conference Training Seminars

June 11th & 12th

Conducted at the **University of Michigan - Dearborn**

Registration Opens at 8:30 a.m.

Class runs from 9:00 a.m. to 5:00 p.m.

(Continental Breakfast and Lunch provided both days)

For more information, contact Cathie Walton at cathie@lstc.com or 313-790-9040

Impact & Crashworthiness Simulations with LS-DYNA

Instructor: Paul Du Bois

This seminar is a short version of the 4-day seminar offered at LSTC in Livermore, California

Wednesday, 11 June

- 09:00-10:30 overview of vehicle modeling
mesh convergence
- 11:00-12:30 spotweld modeling
comparison of beam welds and solid welds
- 13:30-15:00 numerical damping and numerical noise
wave propagation examples
- 15:30-17:00 mesh quality
mesh orthogonality

Thursday, 12 June

- 09:00-10:30 contact algorithms 1
master-slave contact, contact energy & penalties
- 11:00-12:30 contact algorithms 2
single surface contacts, contact thickness
- 13:30-15:00 visco-plasticity
material characterisation for metals
- 15:30-17:00 material instability
mesh dependency and regularisation
introduction to failure