

## LS-DYNA, Advanced training class in impact analysis

We are pleased to announce this very popular course taught by Paul du Bois. Every serious LS-DYNA user should attend this course at least once. Be sure not to miss it, since the number of attendee is limited to 12!

This course is intended for the LS-DYNA user working on impact problems, and in particular on crashworthiness problems. The course gives a guideline on how to set up the often complex FE models, how to choose the element types, material models, contact interfaces etc. Many common pitfalls are discussed and solutions for their elimination are given. Several problems are solved during the workshop part of the course.

**Prior knowledge:** Attendees are expected to have a basic understanding of the finite element method and LS-DYNA.

### Course outline:

- Modelling guidelines for small and large deformation problems
- Modelling crashworthiness and impact related problems
- Elasto-plastic and elasto-viscoplastic models for metals, foams and rubber
- Modelling of dummies and impactors
- Airbag simulations
- Side-impact simulations and component models
- Barrier models

The course is given by Paul du Bois, who has a very long experience from crash FE analyses. He has been consulting for all leading automotive industries.

The number of accepted course attendee is limited to 12.

**Place:** ERAB's office, Garnisonen, Linköping.

A roadmap is available on <http://www.erab.se>.

**Date:** See <http://www.erab.se>

**Course fee:** The course fee includes course notes, lunches, one evening meal and coffee/tee, excluding VAT. See <http://www.erab.se> for actual course fee. Hotel accommodation is not included in the course fee

**Schedule:** The course starts at 09<sup>00</sup> o'clock the first day and 08<sup>30</sup> the following days. The course ends at approximately 17<sup>00</sup>. On the last day of the course, the course ends at 16<sup>00</sup>.

**Registration:** Online registration at <http://www.erab.se>

**Confirmation:** When ERAB has accepted the registration, a confirmation will be sent out by e-mail.

**Cancellation:** Classes can be cancelled up to 10 days before course start if there are too few attendees. Any fees paid to ERAB will be returned if the class is cancelled. For cancellations by attendees received later than two weeks before course start the attendee will be invoiced 50% of the course fee.

**Questions:** E-mail [course@erab.se](mailto:course@erab.se)