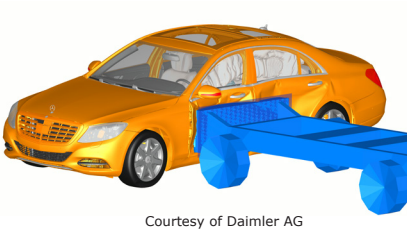
Invitation to the seminar

# Crash Analysis with LS-DYNA

5 - 8 December 2017, Stuttgart, Germany



Courtesy of Daimler AG

This is an advanced course and applies to engineers who have experience in the application of explicit programs or basic knowledge in the field of dynamic and nonlinear calculation with implicit programs. The aim of the course is to show how to perform a crashworthiness simulation in the automobile industry using LS-DYNA, whereby the presented methods are transferable to other kinds of crashworthiness simulations (rail vehicles, components of vehicles, airplanes, vans, etc.).

Each crashworthiness simulation is a compromise between profitability and accuracy. At the moment there is no kind of a guideline for modeling and calculating crash. Therefore, the user has to be aware of advantages and disadvantages of different kinds of modeling procedures depending on the purpose of the simulation. In particular, the aim of the course is to show how to perform an accurate and reliable crashworthiness simulation by thorough modeling and further understanding of the procedure.

The course instructors Paul Du Bois and Suri Bala are experts in crashworthiness simulation and have been consulting several car manufacturers worldwide in the past years.

## Content

- Mesh convergence, spot-welds, bolts, non-structural mass
- Contact – energy, thickness, stiffness, segment based
- Yield curves, necking, rate effects, thermo plastics
- Shell elements, mesh quality, quality assurance

We would be pleased to welcome you at the seminar.

Register today at www.dynamore.de/crash-e

# ORGANIZATION/REGISTRATION

## Organization

Date: 5 - 8 December 2017, 9:00 AM - 5:00 PM

Language: English

Venue: DYNAmore GmbH, Industriestr. 2,
D-70565 Stuttgart, Germany
Tel. +49 (0)711 - 459600 - 0

## Registration Form

I herewith register for the seminar
"Crash Analysis with LS-DYNA",
5 - 8 December 2017, Stuttgart, Germany:
☐ Industry: 2.400 € ☐ Research institution: 1.200 €

First name: _____

Last name: _____

Company/University: _____

Dept.: _____

Street: _____

Zip-code, city: _____

Phone: _____

Fax: _____

E-Mail: _____

Date, Signature: _____

Please complete and fax to +49(0)711-459600-29, send to DYNAmore GmbH, Industriestr. 2, D-70565 Stuttgart, Germany, or e-mail to seminar@dynamore.de.

All prices plus VAT.

Online registration at www.dynamore.de/crash-e

Declaration of consent to the use of personal data:

With your registration you allow us the use and the processing of your data for the seminar organization and promotional purposes. You may, at any time, revoke your consent by contacting DYNAmore GmbH via phone or in writing.

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