DYNAmore GmbH
Industriestr. 2
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Germany

DYNAmore GmbH

DYNAmore is dedicated to support and distribute LS-DYNA, LS-OPT, GENESIS and related software products for crash analysis, metal forming and optimization. With the German based company, LS-DYNA users in several European countries have convenient and effective access to the vast experience in LS-DYNA available at DYNAmore, which assures a qualified support for the users. More than 100 customers from the automotive industry rely on the competence of DYNAmore in the field of LS-DYNA support, dummy modelling and general FEA consulting. Due to the long lasting experience with LS-DYNA and their cooperation with LSTC, DYNAmore is able to offer customers a profound and deep knowledge of every aspect around LS-DYNA. Among the customers are car manufacturers, automotive supplier and small companies developing components or consulting companies offering FEM analyses with LS-DYNA.

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Organization

Costs
Attendance is free of charge.

Language
English

Event location
DYNAmore Headquarters (see above).

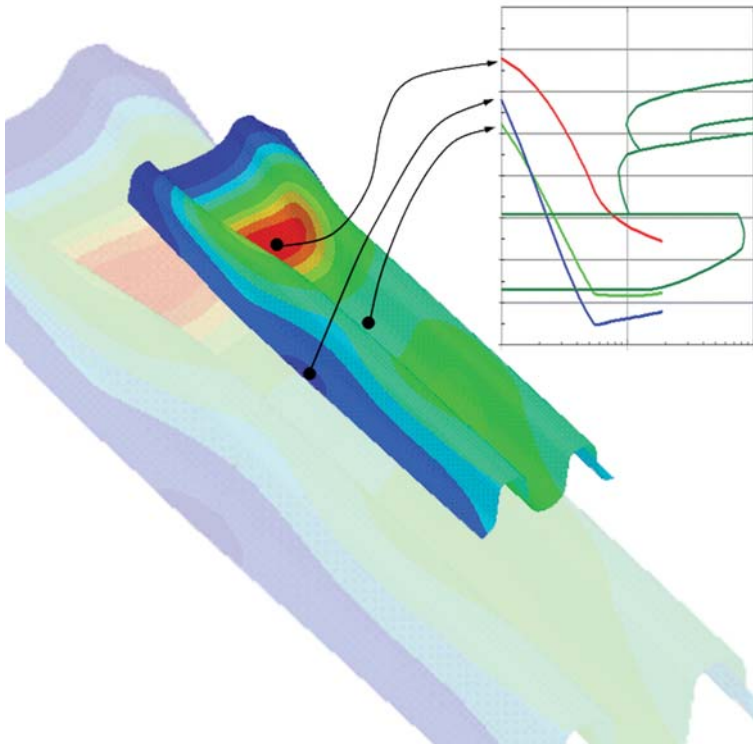
Registration
For registration please use registration form, send an E-Mail to miriam.lang@dynamore.de or call us at +49 (0)711 - 459600 - 0.

Invitation for free of charge infoday:

Recent Advances in Hot Stamping Simulation with LS-DYNA

11th November 2009, Stuttgart, Germany

Lecturers: Dr. Art Shapiro (LSTC)
David Lorenz (DYNAmore)



INVITATION

Recent Advances in Hot Stamping Simulation with LS-DYNA

In the past hot stamping of high strength steel grades increasingly established as a reliable manufacturing method for safety relevant car body components. Latest developments in this field result in more complex processes to produce components with a variing microstructure and thus with specifically adapted strength.

The process simulation now necessitates the consideration of phase transformations. Therefor a new material model has been implemented in LS-DYNA to allow the prediction of relevant mechanical properties of the final product. These can be used in following up crash or strength analysis.

Furthermore in the design of the recent hot stamping process types the die temperature control gains more importance. On the one hand an efficient die cooling is necessary, on the other hand die segments must be heated to specifically adapt the cooling rates of the part. LS-DYNA offers a lot of options for thermal die design.

This event offers an insight into the current possibilities of process simulation with LS-DYNA in the context of the recent development trends of hot stamping.

We hope to have sparked your interest and would be very pleased to welcome you to the event.

DYNAmore GmbH

AGENDA / LECTURERS

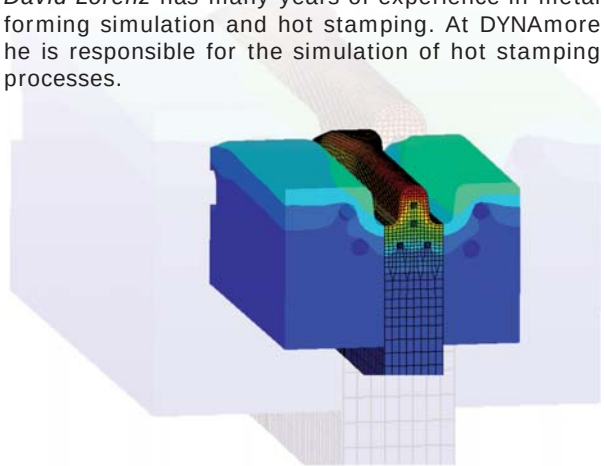
Agenda

1:00 pm	Welcome and Introduction DYNAmore *Dr. André Haufe (DYNAmore)*
1:15 pm	Recent Advances in Hot Stamping Simulation - I *Dr. Art Shapiro (LSTC)*
2:30 pm	Break
3:00 pm	Recent Advances in Hot Stamping Simulation - II *Dr. Art Shapiro (LSTC)*
4:00 pm	Practical Guidelines for Hot Stamping Simulations with LS-DYNA *David Lorenz (DYNAmore)*
4:45 pm	Discussion
5:00 pm	End

Lectureres

Dr. Art Shapiro is at LSTC the main developer for thermal calculations within LS-DYNA. He has realized a lot of enhancements in LS-DYNA in the field of hot stamping.

David Lorenz has many years of experience in metal forming simulation and hot stamping. At DYNAmore he is responsible for the simulation of hot stamping processes.



REGISTRATION FORM

- ❑ I register for the seminar „Recent Advances in Hot Stamping Simulation with LS-DYNA", 11th November 2009, Stuttgart, Germany.
- ❑ Please contact me, I´m interested in ...
  - ❑ LS-DYNA software
  - ❑ DYNAmore services
- ❑ Please add me to the mailing list.

Sender

Surname _____

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Dept./Institute _____

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Date, Signature _____

Please complete and send, mail or fax to

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