

Nordic LS-DYNA Users Conference 2002

PROCEEDINGS

**September 16-17
Gothenburg
Sweden**



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Monday September 16:

Larsgunnar Nilsson, ERAB:

Opening

John O. Hallquist, LSTC:

LS-DYNA: On current and future features

Nielen Stander, LSTC:

Development status of LS-OPT vers 3

Magnus Langseth, NTNU:

Transition between progressive folding and global buckling of axially loaded aluminum structures

Knut E Moen, Raufoss:

Simulation of Split Hopkinson Tension Bar

Joachim Danckert, Aalborg University:

Instability problems in the ironing process

Magnus Eriksson, Luleå University of Technology:

Development and evaluation of model for spray cooling of sheet metal components

Ramin Moshfegh, IVF:

Hybrid Prototyping in sheet metal forming applications

Mats Svensson, Volvo Car Components:

FE simulation of hemming in the automotive industry

Karl Brian Nielsen, Aalborg University:

Bulk forming simulation with LS-DYNA

Daniel Hilding, ERAB:

Influence of forming parameters on crash properties

Peter Karlsson, Saab Automobile AB:

Crash simulations used in the development of the new Saab 9-3 Sport Sedan

Svein Kleiven, KTH:

LS-DYNA analysis of the human skull-brain

Karin Brolin, KTH:

Finite element analysis of spinal stability

Rimantas Barauskas, Kaunas Technical University:

Modelling of bullet interaction against the life protection textile, (article)

Tuesday September 17:

Lars Olovsson, LSTC:

[*ALE and fluid structure interaction in LS-DYNA*](#)

Per-Olof Marklund, ERAB:

[*Optimization of airbag inflation parameters*](#)

Odd Sture Hopperstad, NTNU:

[*Oblique loading of aluminum extrusions*](#)

Uli Franz, DYNAmore:

[*Observations during validation of side impact dummy models.*](#)

Anders Jernberg, ERAB:

[*A moose crash dummy for LS-DYNA*](#)

Bengt Pipkorn, Autoliv Research:

[*A method to judge the validity of a mathematical model*](#)

Klas Engstrand, ERAB:

[*Vehicle impact on roadside barriers*](#)

Art Shapiro, LSTC:

[*Using LS-DYNA for heat transfer analysis*](#)

Odd Geir Lademo, NTNU:

[*Modeling of aluminum for crashworthiness analysis*](#)

Tore Børvik, NTNU:

[*Penetration of steel plates: Testing and modeling*](#)

Rikard Borg, ERAB:

[*Simulation of delamination failure in laminated FRP*](#)

Nielen Stander, LSTC:

[*Neural networks as updateable response surfaces in LS-OPT*](#)

Marcus Redhe, LiTH:

[*Optimization of the new Saab 93 exposed to impact load*](#)

John O Hallquist, LSTC:

[*LS-DYNA: On current and future features*](#)