

Engineering Research Nordic AB - Livermore Software Technology Corp.:
Nordic LS-DYNA Users' Conference 2002
Quality Hotel 11, Gothenburg, Sweden
September 16 & 17, 2002

Monday September 16:

08.20 Registration /Coffee
09.15 Larsgunnar Nilsson, ERAB:
Opening
09.20 John O. Hallquist, LSTC:
LS-DYNA: On current and future features
10.20 Refreshments
10.40 Nielen Stander, LSTC:
Development status of LS-OPT vers 3
11.20 Magnus Langseth, NTNU:
Transition between progressive folding and global buckling of axially loaded aluminum structures
11.40 Knut E Moen, Raufoss:
Simulation of Split Hopkinson Tension Bar
12.00 Lunch
13.00 Joachim Danckert, Aalborg University:
Instability problems in the ironing process
13.20 Magnus Eriksson, Luleå University of Technology:
Development and evaluation of model for spray cooling of sheet metal components.
13.40 Ramin Moshfegh, IVF:
Hybrid Prototyping in sheet metal forming applications
14.00 Mats Svensson, Volvo Car Components:
FE simulation of hemming in the automotive industry
14.20 Karl Brian Nielsen, Aalborg University:
Bulk forming simulation with LS-DYNA
14.40 Daniel Hilding, ERAB:
Influence of forming parameters on crash properties
15.00 Refreshments
15.20 Peter Karlsson, Saab Automobile AB:
Crash simulations used in the development of the new Saab 9-3 Sport Sedan
15.40 Svein Kleiven, KTH:
LS-DYNA analysis of the human skull-brain
16.00 Karin Brodin, KTH:
Finite element analysis of spinal stability

16.20

Rimantas Barauskas, Kaunas Technical University:
Modelling of bullet interaction against the life protection textile

19.30

Dinner

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Tuesday September 17:

09.00 Lars Olovsson, LSTC:
ALE and fluid structure interaction in LS-DYNA

09.20 Per-Olof Marklund, ERAB:
Optimization of airbag inflation parameters

09.40 Odd Sture Hopperstad, NTNU:
Oblique loading of aluminum extrusions

10.00 Refreshments

10.30 Uli Franz, DYNAmore:
Observations during validation of side impact dummy models.

11.00 Anders Jernberg, ERAB:
A moose crash dummy for LS-DYNA

11.20 Bengt Pipkorn, Autoliv Research:
A method to judge the validity of a mathematical model

11.40 Klas Engstrand, ERAB:
Vehicle impact on roadside barriers

12.00 Lunch

13.00 Art Shapiro, LSTC:
Using LS-DYNA for heat transfer analysis

13.20 Odd Geir Lademo, NTNU:
Modeling of aluminum for crashworthiness analysis

13.40 Tore Børvik, NTNU:
Penetration of steel plates: Testing and modeling

14.00 Rikard Borg, ERAB:
Simulation of delamination failure in laminated FRP

14.20 Nielsen Stander, LSTC:
Neural networks as updateable response surfaces in LS-OPT

14.40 Marcus Redhe, LiTH:
Optimization of the new Saab 93 exposed to impact load

15.00 Refreshments

15.20 John O Hallquist, LSTC:
LS-DYNA: On current and future features

16.20 End