



NORDIC LS-DYNA USERS' FORUM

Keynote session, Theater

- 9:00 Prof. Larsgunnar Nilsson, ERAB. *Welcome and opening*
9:10 Dr. John O. Hallquist, president of LSTC. *Current and new features of LS-DYNA*
10:00 Sponsor presentation - Microsoft

10:10 Coffee and tea break

- 10:40 Roger Malkusson, GM Europe. *Experiences from the Chinese automotive industry*
11:00 Dr. Johan Jergeus, Volvo Car Corporation. *Introducing a new crash code*
11:20 Dr. Nielen Stander, LSTC. *Current and new features of LS-OPT*
11:30 Sponsor presentation - IBM

11:40 Lunch break

Parallel session 1

Theater: Crash

- 13:00 Dr. Tore Tryland, Hydro Automotive Structures. *Axial buckling of aluminum tubes*
13:20 Ole Vidar Lyngstad, Plastal AS. *Integrated use of LS-DYNA in exterior automotive product development*
13:40 Mikael Öman, Scania. *Finite element based robustness study of a truck cab*
14:00 Lambros Rorris, Beta CAE Systems S.A. *Handling of complex kinematics of a crash model in ANSA*

K31: Metal forming

- 13:00 Dr. Mikael Jansson, ERAB. *New methods and techniques in metal forming*
13:20 Mats Larsson, Saab Automobile AB. *Roller hemming simulation with LS-DYNA*
13:35 Dr. Benny Endelt, Aalborg University. *Adaptivity in the deep drawing process using optimal control*
13:50 Dr. Kjell Mattiasson, Volvo Car Corporation, *Prediction of springback*
14:05 Dr. Jeanne He, ETA. *Current and new features in Dynaform*

14:20 Coffee and tea break

Parallel session 2

Theater: Material models

- 14:50 Dr. Mario Polanco-Loria, Simlab. *Numerical modelling of thermoplastic materials for structural applications.*
15:10 Prof. Mats Oldenburg, Luleå University of Technology. *Modelling of the micro-structure and material property evolution in the press hardening process*
15:30 Dr. Tobias Olsson, ERAB. *Advanced material model for hot stamping*
15:50 Final remark and closing

K31: Occupant and barriers

- 14:50 Dr. John O. Hallquist, LSTC. *New finite element models developed by LSTC*
15:10 Uli Franz, Dynamore. *Modeling Techniques for Predictive and Robust Dummy Models*
15:30 Richard Sturt, ARUP. *Current and new features in Primer 9.3, including Javascript capability*
15:50 Final remark and closing

16:00 End of day