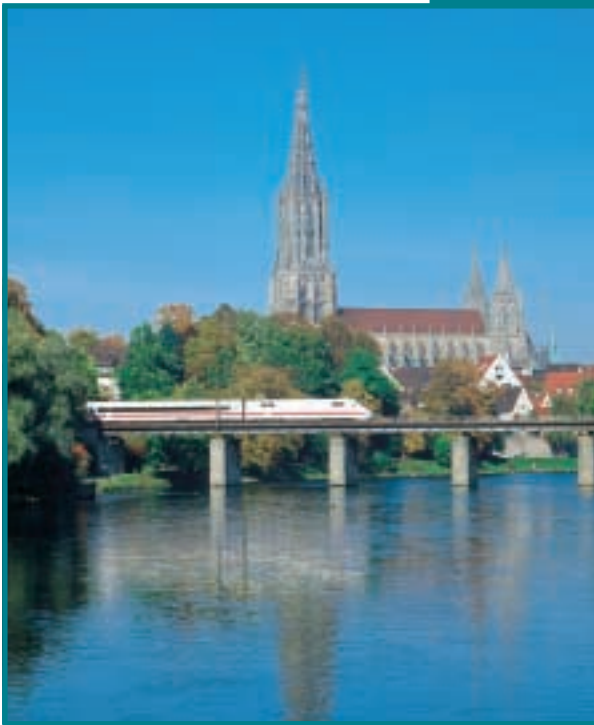


INVITATION & AGENDA

4th EUROPEAN LS-DYNA CONFERENCE

22nd - 23rd MAY 2003, ULM, GERMANY



This conference will provide an ideal forum for LS-DYNA users from all over the world to share and discuss their experiences, to obtain information on up-coming features of LS-DYNA and to learn more about new applications.

More than 100 speakers from all over the world have confirmed their paper presentation and almost 30 exhibitors will present their products related to LS-DYNA in an accompanying exhibition. In addition, seven training courses covering different fields of LS-DYNA will be organized before and after the conference.

Main sponsors:



By courtesy of DaimlerChrysler AG

The conference is organized by the following European LS-DYNA Distributors:



ORGANIZATION / CLASSES / OUTINGS



Maritim Hotel and River Danube — Ulm

CONFERENCE LOCATION

The conference will take place in Ulm, the birthplace of such great spirits as Albert Einstein. The hotel is located right next to the famous river Danube. From the hotel you will have a marvelous view over the old town of Ulm with the historic cathedral in the center. You may take the opportunity to climb the highest cathedral tower in the world, its construction started in 1377. Ulm is approximately one hour away from the vacation areas of the Alps, and Lake Constance. Ulm can be easily reached from the airports of Frankfurt, Munich, and Stuttgart. Nearest airport is Stuttgart (85 km). From Stuttgart you may travel by car or by train to Ulm.

Conference Hotel: Maritim Hotel Ulm

Basteistraße 40, D-89073 Ulm
 phone +49 (0) 731 - 923 - 0 • fax +49 (0) 731 - 923 - 10 00
 e-mail: info.ulm@maritim.de • <http://www.maritim.de>

By Courtesy of Saab Automobile AB

ACCOMMODATION

Please reserve the hotel room by yourself at the Maritim Hotel Ulm. We have arranged a special room rate for attendees of the LS-DYNA Conference until 9th April 2003 in the Hotel Maritim.

Single room: 120.- Euro / night incl. breakfast

Double room: 148.- Euro / night incl. breakfast

Please use the keyword „DYNAmore“ when you book your room. In case you check in later than 18:00 please inform the hotel in advance.

Please find a list of alternative hotels at the conference website.

FEES

Conference

Industry participant 600.- Euro

Academic participant (University employees) 420.- Euro

Fee includes: Conference attendance, conference proceedings, coffee breaks, lunch, social event.

Social event (on 22nd May) only 80.- Euro

REGISTRATION AND CONTACT ADDRESS

Please copy, and complete the registration form on the back page, and send or fax it to:

DYNAmore GmbH, Mrs. Kathleen Ryssel

Industriestr. 2 • D-70565 Stuttgart • Germany

Phone: +49 (0) 7 11 - 45 96 00 - 0

Fax: +49 (0) 7 11 - 45 96 00 - 29

E-mail: info@dynamore.de • <http://www.dynamore.de>

Web registration available at the

conference website: <http://www.ls-dynaconferences.de>

ACCOMPANYING CLASSES – STUTTART

Geomaterial Modeling with LS-DYNA 13th - 15th May
 Dr. Len Schwer (Schwer Engineering & Consulting Services)

Implicit Analysis with LS-DYNA 19th - 21st May
 Prof. Dr. Ala Tabiei (Univ. of Cincinnati)

ALE and Fluid-Structure Interaction in LS-DYNA 20th - 21st May
 Dr. Lars Olovsson (LSTC)

LS-DYNA Models for Pedestrian Safety 21st May
 Prof. Dr. Martin Pitzer (PENG)

Sheet Metal Forming Simulation using LS-DYNA 19th - 21st May
 Dr. Christopher Galbraith (MFAC)

Crashworthiness Simulation using LS-DYNA 26th - 28th May
 Paul Du Bois (Consultant)

Introduction to LS-OPT 26th - 28th May
 Dr. Ken Craig (LSTC Consultant)

Costs: 390.- Euro + VAT if applicable / day / attendee

OUTINGS

Munich Sightseeing Tour

Saturday, 24th May 2003

08:30 - approx. 20:00

Departure and arrival at Maritim Hotel, Ulm

Costs:

200.- Euro / person

+ VAT if applicable



Castle Neuschwanstein and Hohenschwangau

Saturday, 24th May 2003

08:30 - approx. 20:00

Departure and arrival at Maritim Hotel, Ulm

Costs:

200.- Euro / person

+ VAT if applicable



ORGANIZERS

The European LS-DYNA conference is organized by a group of European LS-DYNA distributors and takes place every other year. The 4th conference will be organized under the leadership of DYNAmore with assistance from Arup, CRIL Technology, ERAB, and STRELA, LS-DYNA distributors of Germany, United Kingdom, France, the Nordic Countries, and Russia, respectively. Additional information on the organizers is available at:

Arup

Cril Technology Simulation

DYNAmore GmbH

Engineering Research AB

Strela Russia

www.arup.com/dyna

www.criltechnology.com

www.dynamore.de

www.erab.se

www.ls-dynarussia.com

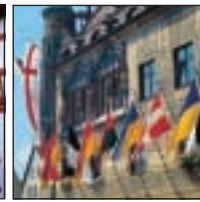
CONFERENCE SCHEDULE / AGENDA PLENARY SESSIONS *

WEDNESDAY, 21st MAY 2003

- 18:00 - 21:00 Registration
 18:00 - 22:00 Informal welcome in a traditional German „Biergarten“



„Fischerviertel an der Blau“



City Center of Ulm



Cathedral of Ulm

THURSDAY, 22nd MAY 2003

- 08:30 Registration

PLENARY SESSION

- 09:30 - 09:45 **Introduction / Welcome**
Prof. Dr. Schweizerhof K. (DYNAmore GmbH)
- 09:45 - 10:30 **Recent Developments in LS-DYNA - I**
Dr. Hallquist J. O. (Livermore Software Technology Corp.)
- 10:30 - 11:00 Coffee Break
- 11:00 - 11:30 **Recent New Developments in Contact Mechanics**
*Prof. Dr. Wriggers P., Fischer K. (University of Hanover);
 Rieger A. (Continental AG)*
- 11:30 - 12:00 **CAE Simulations for Passive Safety Focused on the Porsche Cayenne - The Transition to New Technologies**
Prof. Dr. Schelkle E., Klamser H. (Dr. Ing. h. c. F. Porsche AG)
- 12:00 - 12:30 **How to Develop a Five Star Car by using LS-DYNA**
Malcusson R. (Saab Automobile AB)

- 12:30 - 14:10 Lunch

PARALLEL SESSIONS

- 14:10 - 17:50 **Agenda see pages 4 - 5**

SOCIAL EVENT / GALA DINNER

- 20:00 - 23:00



FRIDAY, 23rd MAY 2003

PARALLEL SESSIONS

- 08:30 - 12:20 **Agenda see pages 6 - 7**
- 12:20 - 14:00 Lunch

PLENARY SESSION

- 14:00 - 14:30 **LS-DYNA Applications in Shipbuilding**
*Le Soume H., Besnier F., Couty N. (Principa Marine);
 Legarve H. (DCN Ingénierie)*
- 14:30 - 15:00 **Implicit Functionality in LS-DYNA v970**
*Dr. Maker B., Dr. Grimes R., Dr. Ashcraft C.
 (Livermore Software Technology Corp.)*
- 15:00 - 15:15 Coffee Break
- 15:15 - 15:45 **The Development of the New XJ Jaguar in Advanced Aluminium; Opportunities and Challenges**
Zeguer T. (Jaguar Cars Ltd.)
- 15:45 - 16:30 **Recent Developments in LS-DYNA - II**
Dr. Hallquist J. O. (Livermore Software Technology Corp.)
- 16:30 **Farewell**
Franz U. (DYNAmore GmbH)

HARDWARE AND SOFTWARE EXHIBITION

Almost 30 exhibitors present their products and solutions related to LS-DYNA

- 3Dims
- Altair Engineering
- AMD
- Arup
- BETA CAE Systems
- Cray
- Dell
- DYNAmore
- EASi Engineering
- eta
- FhG-SCAI
- FTSS
- Fujitsu Siemens Computers
- GNS
- IBM
- Icido
- Intel
- LS-DYNA Distributors
- Matfem
- MSC Software
- NEC
- Platform Computing
- science + computing
- Silicon Graphics
- SUN Microsystems
- T-Systems International
- Teraport
- TNO Automotive Germany
-

* Subject to alteration of program.

AGENDA PARALLEL SESSIONS, 22nd MAY 2003 *

09:30 - 12:30 PLENARY SESSION AGENDA SEE PAGE 3

12:30 - 14:10 LUNCH

PARALLEL SESSIONS

SESSION 1

SESSION 2

CRASH / AUTOMOTIVE APPLICATIONS I

OCCUPANT I

14:10 - 14:30

Consideration of Manufacturing Effects to Improve Crash Simulation Accuracy
Böttcher C.-S., Dr. Frik S.
(Adam Opel AG)

Recent Advances in THUMS: Development of Individual Internal Organs, Brain, Small Female, and Pedestrian Model
Oshita F. (Japan Research Institute, Ltd.); Iwamoto M., Omori K., Kimpara H., Watanabe I., Miki K. (Toyota Central LAB); Hasegawa J. (Toyota Motor Corp.)

14:30 - 14:50

Integration of Simulation in the Development Process
Brockmann J.
(Faurecia GmbH & Co. KG)

FTSS Dummy Model Updates
Dr. Huang Y.
(FTSS - First Technology Safety Systems)

14:50 - 15:10

Safety Analysis of the New ACTROS Cabins According to ECE-R29/02
Raich H.
(DaimlerChrysler AG)

Development of the 50th Percentile Hybrid III Dummy Model
Prof. Dr. Kan C.-D., Dr. Marzougui D., Prof. Bedewi N. (University of Washington, NHTSA)

15:10 - 15:30

The Evaluation of Crashworthiness of Vehicles with Forming Effects
Kim H. (KIA Motors); Hong S. (Korea Advanced Institute of Science and Technology)

FAT Dummy Models for Side Impact, Aspects on Usage
Franz, U., Schuster P., Schmid W.
(DYNAmore GmbH)

15:30 - 16:10 COFFEE BREAK

CRASH / AUTOMOTIVE APPLICATIONS II

OCCUPANT II / PEDESTRIAN SAFETY

16:10 - 16:30

Validation of New Train Railway Rolling Stock using Finite Element Analysis
Ricketts B.
(Bombardier Transportation UK Ltd.)

Development and Validation of Numerical Pedestrian Impactor Models
Frank T. (DaimlerChrysler AG); Kurz A. (LASSO GmbH); Prof. Dr. Pitzer M. (PENG GmbH); Söllner M. (Dr. Ing. h. c. F. Porsche AG)

16:30 - 16:50

Strength Analysis of Seat Belt Anchorage According to ECE R14 and FMVSS 210
Hessenberger K.
(DaimlerChrysler AG)

Crash Simulation in Pedestrian Protection
Dörr S., Chladek H.
(IHF GmbH)

16:50 - 17:10

Development of an Energy Absorbing Concept for Automotive Applications using Dynamic Simulation Method
Owens P.
(Cellbond Ltd.)

Finite Element Models for European Testing, a Side Impact Barrier to WG-13 and Pedestrian Impactors WG17
Dutton T.
(ARUP)

17:10 - 17:30

Improving the Roadside Safety with Computational Simulations
Vesenjak M., Prof. Dr. Ren Z.
(University of Maribor)

Simulation of FMVSS 202 using LS-DYNA Implicit
Patwardhan V., Sambamoorthy B., Halder T.
(Lear Corp.)

17:30 - 17:50

Mesh Coarsening Approaches to Reduce the CPU Demand for VPG Applications
Nasser T.
(eta - Engineering Technology Associates, Inc.)

Biomechanical Analysis of Whiplash Injuries; Women are not Scaled Down Men
Mordaka J., Gentle C. R.
(University of Nottingham)

17:50 - 18:10

20:00 - 23:00 SOCIAL EVENT / GALA DINNER

AGENDA PARALLEL SESSIONS, 22nd MAY 2003 *

SESSION 3	SESSION 4	SESSION 5
MATERIAL I	OPTIMIZATION	LS-DYNA ENVIRONMENT I
<p>The Application of the Damage and Fracture Material Model to Crashworthiness Evaluations for Aluminium Cars <i>Tsuchida T., Yamamoto S. (Toyota Motor Corp.); Isomura K. (Toyota Industries Corp.)</i></p>	<p>Shape Adaptive Airfoils for Turbomachinery Applications: Simulation and Optimization <i>Müller T., Prof. Dr. Lawerenz M. (University of Kassel)</i></p>	<p>CAE Data Management and Quality Assessment of LS-DYNA Crash Models using V-CESS <i>Eick M., Dr. Seybold J., Dr. Fredriksson L. (Altair Engineering GmbH)</i></p>
<p>Strain Rate Dependent Micro-Mechanics Based Composite Material Model <i>Prof. Dr. Tabiei A., Ivanov I. (University of Cincinnati)</i></p>	<p>Stochastic Optimization in LS-OPT <i>Dr. Stander N., Dr. Roux W. J. (Livermore Software Technology Corp.); Giger M., Dr. Redhe M. (University of Linköping)</i></p>	<p>Automating LS-DYNA Simulation Processes using SOFY/RADE <i>Dr. Ulrich D. (SOFY GmbH)</i></p>
<p>A Simplified Approach for the Simulation of Rubber under Dynamic Loading <i>Du Bois P. (Consultant)</i></p>	<p>System Identification and Design Optimization of „Noisy“ Structural Problems: Probabilistic and Deterministic Fundamentals <i>Dr. Stander N., Dr. Roux W. J. (Livermore Software Technology Corp.)</i></p>	<p>scFEMod - The New Preprocessor for Efficient Assembly and Model Validation <i>Dr. Sommer O. (science + computing ag)</i></p>
<p>Implementation and Validation of the J-H2 Ceramic Material Model in LS-DYNA <i>Dr. Cronin D. S., McIntosh G., Kaufmann C., Bui K., Dr. Berstad T. (University of Waterloo)</i></p>	<p>Geometry Optimization using Stochastic Methods <i>Höfer C., Sakaryali C. (EASi Engineering GmbH)</i></p>	<p>Platform and LS-DYNA, Solutions for Design & Simulation - Today and Tomorrow <i>Slominsky M., Reichert C. (Platform Computing GmbH)</i></p>
MATERIAL II	METAL FORMING I	MPP / LINUX CLUSTER / HARDWARE I
<p>Application of Configurational Forces in Finite Element Simulations <i>Dr. Kolling S., Ackermann D. (DaimlerChrysler AG)</i></p>	<p>Stress Analysis of Connector PIN Produced by Reverse Stamping Process <i>Won Y.-H. (LG-Cable Ltd.)</i></p>	<p>Considerations for LS-DYNA Efficiency in the SGI IRIX and Linux Environments with a NUMA System Architecture <i>Posey S., Meng N. (Silicon Graphics)</i></p>
<p>On Constitutive Equations for Elastomers and Elastomeric Foams <i>Feng W. W., Dr. Hallquist J. O. (Livermore Software Technology Corp.)</i></p>	<p>Finite Element Analysis of Contact Stresses Due to Spherical Contact Conditions on an Elastic Surface <i>Ram A., Prof. Dr. Danckert J., Faurholdt T. (University of Aalborg); Rietz H. (Danish Technological Institute)</i></p>	<p>Performance of LS-DYNA on hpcLine Linux Clusters <i>Altmeyer K. (Fujitsu Siemens Computers GmbH)</i></p>
<p>Improved Plasticity and Failure Models for Extruded Mg-Profiles in Crash Simulations <i>Oberhofer G. (MATFEM); Dr. Lanzerath H., Wesemann J. (Ford Research Center); Hombergmeier E. (EADS Corporate Research Center)</i></p>	<p>New Trends in Sheet Metal Forming <i>Buchert J., Prof. Dr. Harrison D. K., Dr. DeSilva A. K. M., Prof. Dr. Bauer H. (Aalen University of Applied Science)</i></p>	<p>A Correlation Study Between MPP LS-DYNA Performance and Various Interconnection Networks <i>Lin Y.-Y. (Hewlett-Packard Ltd.)</i></p>
<p>Implementation of a Material Model for TRIP Steels in LS-DYNA and Comparison with Test Results <i>Dr. Hilding D. (Engineering Research Nordic AB); Dr. Scheduling E. (Avesta Polaroid AB)</i></p>	<p>Simulation of the Forming Process of Metal-Plastic-Metal Sheets <i>Dr. Borg R. (Engineering Research Nordic AB)</i></p>	<p>Itanium - A Viable Cost-Effective Technology for Crash Simulation <i>Hillcoat A. (Hewlett-Packard Ltd.)</i></p>
<p>A New Plasticity Model for a Nitrogen Alloyed Steel at High Strain Rates Regime - Implementation into LS-DYNA <i>Adoum M. (CRIL Technology); Frécharde S., Rondot F., Lichtenberger A. (French-German Research Inst., Saint-Louis)</i></p>	<p>Highlights of DYNAFORM 5.0 for 2003 <i>Tang A. (eta - Engineering Technology Associates, Inc.)</i></p>	<p>Recent Developments of LS-DYNA Computation in Sun Microsystems <i>Roh Y.-S., Fong H. (SUN Microsystems Inc.)</i></p>
<p>Modeling of Foams using MAT 83 - Preparation and Evaluation of Experimental Data <i>Serifi E. (University of Stuttgart); Hirth A., Matthaei S. (DaimlerChrysler AG); Dr. Müller-schön H. (DYNAmore GmbH)</i></p>		<p>Porting LS-DYNA to AMD Opteron <i>N.N. (AMD - Advanced Micro Devices)</i></p>

* Subject to alteration of program.

AGENDA PARALLEL SESSIONS, 23rd MAY 2003 *

PARALLEL SESSIONS	SESSION 1	SESSION 2
	CRASH / AUTOMOTIVE APPLICATIONS III	OCCUPANT III / AIRBAG
08:30 - 08:50	Recent Developments in Virtual Digital Tire Modeling <i>N.N. (Nissan Motors Corp.); Oshita F. (Japan Research Institute)</i>	Numerical and Experimental Study on Fracture of Chute Structure at Deployment of Invisible Passenger Side Airbag <i>Kangwook L. (Hyundai Mobiles)</i>
08:50 - 09:10	Reasons for Scatter in Crash Simulation Results <i>Thole C.-A., Liguán M. (FhG-SCAI - Fraunhofer Institute for Algorithms and Scientific Computing)</i>	Application of MADYMO Occupant Models in LS-DYNA/MADYMO Coupling <i>Dr. Happee R., Janssen A. J., Fraterman E., Monster J. W. (TNO Automotive)</i>
09:10 - 09:30	LS-DYNA on MPP Platforms, Experience and Practical Recommendations <i>Jankowski U. (Tecsim GmbH)</i>	On Airbag Simulation in LS-DYNA with the Use of the Arbitrary Lagrangian Eulerian Method <i>Dr. Fokin D., Dr. Fredriksson L., Lokhande N. (Altair Engineering GmbH)</i>
09:30 - 09:50	LS-DYNA on Linux-Cluster at EDAG - Use Case <i>Hanlon J. (EDAG Engineering + Design AG); Platz B. (Teraport GmbH)</i>	*MAT_GAS_MIXTURE, A New Gas Mixture Model for Airbag Applications <i>Dr. Olovsson L. (Livermore Software Technology Corp.)</i>
09:50 - 10:10	Impact Performance of Flexible Guardrail Systems using LS-DYNA <i>Prof. Dr. Sennah K., Samaan M., Elmarakbi A. (University of Toronto)</i>	Prediction of Occupant Injury in an Out-Of-Position Impact Using the Fluid Structure Interaction Capabilities in LS-DYNA <i>Dr. Marklund P.-O. (Engineering Research Nordic AB); Dr. Pipkorn B. (Autoliv Research AB)</i>
10:10 - 10:40 COFFEE BREAK		
	IMPLICIT / NEW DEVELOPMENTS	AEROSPACE / FLUID-STRUCT. INTER.
10:40 - 11:00	Using LS-DYNA for Heat Transfer <i>Dr. Shapiro A. (Livermore Software Technology Corp.)</i>	Jet Engine Fan Blade Containment using Two Alternate Geometries <i>Dr. Carney K., Dr. Pereira M., Revilok D. (NASA Glenn Research Center); Matheny P. (Florida Turbine Technology)</i>
11:00 - 11:20	Implicit Analysis using LS-DYNA <i>Dr. Grimes R. (Livermore Software Technology Corp.)</i>	Hydrodynamic Ram Analysis of Non-Exploding Projectile Impacting Water <i>Poehlmann-Martins F., Gabrys J. (The Boeing Company); Prof. Dr. Souli M. (Livermore Software Technology Corp.)</i>
11:20 - 11:40	Simulation of Full-Scale Seismic-Resistant Structural Frame Tests Using LS-DYNA 960 Implicit Solver <i>Walker B. (ARUP); Field C. J. (ARUP & Partners California Ltd.)</i>	The Use of LS-DYNA Fluid-Structure Interaction to Simulate Fluid-Driven Deformation in the Aortic Valve <i>Prof. Dr. Howard I. C., Prof. Dr. Patterson E. A. (University of Sheffield); Prof. Dr. Carmody C. J. (Bennett & Associates Ltd.); Dr. Burriesci G. (Sorin Biomedica Cardio)</i>
11:40 - 12:00	LS-DYNA Beam Element Cross Section Integration - An Assessment <i>Dr. Schwer L. (Schwer Engineering & Consulting Services)</i>	The Dynamical Behaviors Analysis of Power Transmission Line with Wind Consideration <i>Nguyen T. L., Kim H.-S. (Korea Maritim University); Byun G.-S. (Pukyong National University)</i>
12:00 - 12:20	Stabilized DSG Elements - A New Paradigm in Finite Element Technology <i>Dr. Bischoff M., Koschnick F., Prof. Dr. Bletzinger K.-U. (University of Munich)</i>	ALE and Fluid Structure Interaction in LS-DYNA <i>Prof. Dr. Souli M. (Livermore Software Technology Corp.)</i>
12:20 - 14:00 LUNCH		
14:00 - 16:30 PLENARY SESSION AGENDA SEE PAGE 3		

AGENDA PARALLEL SESSIONS, 23rd MAY 2003 *

SESSION 3	SESSION 4	SESSION 5
DROP TEST / IMPACT I	METAL FORMING II	LS-DYNA ENVIRONMENT II
Simulation of a Drop onto a Punch of a Transport Container for Nuclear Fuel Assemblies <i>Marchaud G., Dr. Werle J. (Cogema Logistics)</i>	Application of Dynamic Explicit in the Simulation of Superplastic Forming <i>Samekto H. (University of Stuttgart); Prof. Dr. Roll K. (DaimlerChrysler AG)</i>	Advanced Services on hpcPortal - Usage of MIDAS for Crash Simulation on Linux Clusters <i>Sattler M., Finkel A. (T-Systems GmbH)</i>
Numerical Modelling of Impacts on Ski Safety Nets <i>Adoum M., Lapoujade V. (CRIL Technology)</i>	Forming to Crash Simulation in Full Vehicle Models <i>Dr. Cafolla J., Hall R. W., Norman D. P., McGregor I. J. (Corus Automotive Engineering)</i>	Automatic Assembly of a Full Car Crash Model using MEDINA 7.2 <i>Aldinger V. (T-Systems GmbH)</i>
Numerical Investigations of a Projectile Impact on a Textile Structure <i>Prof. Dr. Schweizerhof K. (DYNAmore GmbH); Blankenhorn G. (University of Karlsruhe); Finckh H. (University of Stuttgart)</i>	Influence of The Effect of Strain Rates on Springback in Aluminium 2024 <i>Kulkarni P., Prabhakar S. (Cessna Aircraft Company)</i>	Bringing Static-, Dynamic- and Crash Analysis Closer Together <i>Reza S. (MSC.Software GmbH)</i>
Optimization of a Cockpit Structure according to ECE-R 21 Regulation <i>Walter M., Chladek H. (IHF GmbH)</i>	New Developments at the Forming Simulation of Hydroforming Processes <i>Keigler M., Prof. Dr. Hall R., Prof. Dr. Mihsein M., Prof. Dr. Bauer H. (Aalen University of Applied Science)</i>	Virtual Reality in Crash-Simulation <i>Birk F. (3Dims GmbH)</i>
Examples' Manual for *User_Loading Option <i>Adoum M., Lapoujade V. (CRIL Technology)</i>	Structural Design Review of LCD-TV Module by Impact Analysis <i>Choi S., Lee J.-G. (Samsung Electronics Corp.)</i>	Improving Productivity by Immersion and Interaction - A New Approach in CAE <i>Dr. Rößler A. (Icido GmbH)</i>
DROP TEST / IMPACT II	METAL FORMING III	MPP / LINUX CLUSTER / HARDWARE II
The Relation Between Initial Yaw and Long Rod Projectile Shape After Penetration an Oblique Thin Plate <i>Dr. Arad M., Dr. Touati D., Latovitz I. (Israel Military Industries)</i>	More Realistic Virtual Prototypes by Means of Process Chain Optimization <i>Gantner P., Prof. Dr. Harrison D. K., Dr. DeSilva A. K. M., Prof. Dr. Bauer H. (Aalen University of Applied Science)</i>	Performance of LS-DYNA on NEC-Clusters and New Highend SMP-Systems <i>Dr. Findling A. (NEC High Performance Computing Europe GmbH)</i>
Drop Test Simulation of a Transport Container for Highly Active Nuclear Waste <i>Dr. Werle J., Marchaud G. (Cogema Logistics)</i>	Virtual Die Tryout of Miniature Stamping Parts <i>Yang M.-C., Tsai T.-C. (Metal Industries R&D Center)</i>	How to Make LS-DYNA Run Faster <i>Li G., Dr. Zais J. (IBM CAE Applications Team)</i>
Numerical Simulation of a Flight Recorder's; Protective Case Penetration Resistance Test <i>Dr. Ryabov A., Dr. Romanov V., Kukanov S., Roschihmarov D. (Sarov Open Computing Center)</i>	Sheet Metal Forming in a Virtual Reality Environment using LS-DYNA and Neural Networks <i>Gokhale A. (University of Wichita)</i>	Performance of LS-DYNA on Intel Itanium; 2 Processor-Based Clusters <i>Chaltas G., Prince T., Magro W., Jonsson L. (Intel Corp.)</i>
LS-DYNA Application to Calculate Loads Causing Critical Damages of Container for FM Transportation <i>Roubtsov B., Abramov A., Voikina O., Komarov A., Serbin V. (Strela)</i>	Manufacturing Simulation of an Automotive Hood Assembly <i>Dr. Galbraith C. (Metal Forming Analysis Corp. / Medusa Comp. Corp.); Thomas D. (Metal Forming Analysis Corp.)</i>	The New Paradigm Shift for High-Performance Computing <i>Cornelius H. (Intel GmbH)</i>
A Method for Modifying the Forming Tool Geometry in Order to Compensate for Springback Effects <i>Jernberg A. (Engineering Research Nordic AB)</i>	Linux Cluster - Computer Power Out of the Box <i>Dr. Niemeier R. (science + computing ag)</i>	

* Subject to alteration of program.

PLEASE COMPLETE THE
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OR SEND IT TO

REGISTRATION FORM

FAX TO +49 (0) 7 11 - 45 96 00 29
DYNAMORE GMBH, INDUSTRIESTR. 2, D-70565 STUTTGART

4th EUROPEAN LS-DYNA CONFERENCE, 22nd - 23rd MAY 2003, ULM, GERMANY

- I would like to register for the conference
 - Industry (600.- Euro / attendee + VAT if applicable)
 - Academic (420.- Euro / attendee + VAT if applicable) - only for students and employees of universities
 - ___ additional attendee(s) for social event (80.- Euro / attendee + VAT if applicable)
- We intend to participate in the hardware and software exhibition. Please contact us for details.
- We are interested in sponsoring the conference.



By Courtesy of
Ericsson Mobile
Communications AB

OUTINGS

I would like to register for the following outings on Saturday, 24th May 2003 (200.- Euro + VAT if applicable / person)

- Munich Sightseeing Tour I will be accompanied by ___ persons.
- Castle Neuschwanstein and Hohenschwangau I will be accompanied by ___ persons.

Each tour takes place if more than 20 persons join.

ACCOMPANYING CLASSES, STUTTGART, GERMANY

I would like to register for the following accompanying classes (attendee fee: 390.- Euro / day / attendee + VAT if applicable)

- | | | | |
|---|---|---|---|
| <input type="checkbox"/> Geomaterial Modeling with LS-DYNA | 13 th - 15 th May | <input type="checkbox"/> Implicit Analysis with LS-DYNA | 19 th - 21 st May |
| <input type="checkbox"/> ALE and Fluid-Structure Interaction in LS-DYNA | 20 th - 21 st May | <input type="checkbox"/> LS-DYNA Models for Pedestrian Safety | 21 st May |
| <input type="checkbox"/> Sheet Metal Forming Simulation using LS-DYNA | 19 th - 21 st May | <input type="checkbox"/> Crashworthiness Simulation using LS-DYNA | 26 th - 28 th May |
| <input type="checkbox"/> Introduction to LS-OPT | 26 th - 28 th May | | |

We reserve the right to cancel seminars if less than five paying attendees register.

Web registration available at the conference web site: <http://www.ls-dynaconferences.de>

PARTICIPANT

Name: _____ First name: _____

Company: _____ Department: _____

Street: _____ Postal code, city: _____

Country: _____ Phone: _____

Fax: _____ E-mail: _____

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