

**INVITATION – AGENDA**

# **4<sup>th</sup> GERMAN LS-DYNA FORUM 2005**

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**20<sup>th</sup> - 21<sup>st</sup> OCTOBER 2005, BAMBERG**



By Courtesy of DaimlerChrysler AG

**MAIN SPONSOR**



## INVITATION / SPONSORS

Dear LS-DYNA User,

We wish to invite you to the 4<sup>th</sup> LS-DYNA forum to the imperial city of Bamberg, awarded with the UNESCO world cultural heritage title.

We are very happy to offer **more than 80 presentations!**

The German OEMs (**Audi, BMW, DaimlerChrysler, Opel, Porsche**) present their current applications of LS-DYNA and LS-OPT in 15 presentations. Furthermore many well-known suppliers and engineering service companies present their work.

**Keynotes** will be given by Prof. Haupt (Univ. Kassel), Prof. Schumacher (HAW Hamburg), P. Du Bois, S. Frik (Opel), M. Wagner (BMW), G. Scholpp (Siemens Restraint Systems), and S. Glaser (BASF).

The conference will provide an ideal forum for LS-DYNA users to **obtain information** on the various application areas of LS-DYNA, to **exchange information** and to **share and discuss experiences**.

Take the change to meet **Dr. John Hallquist**, president of Livermore Software Technology Corporation (LSTC) as well as developers from LSTC, who give you an **extensive insight in the newest developments** of LS-DYNA.

The conference will be accompanied by an **exhibition** featuring the latest software and hardware developments related to LS-DYNA.

In addition, the employees of DYNAmore, will be pleased to support you in both word and deed during the forum.

The conference will be held in German and English language. We asked the presenters to have the slides in English, many of the talks will be in English.

We would love to welcome you at the conference.

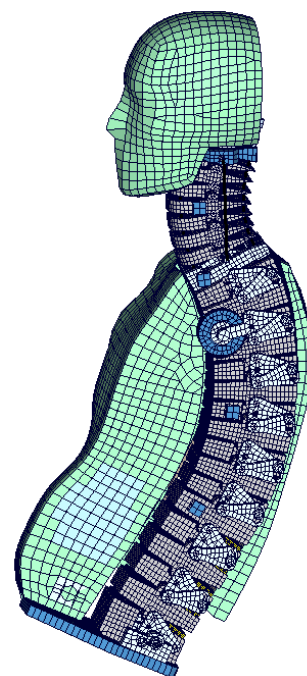
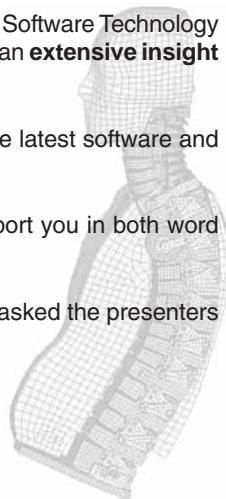
DYNAmore GmbH



Prof. Karl Schweizerhof  
Technical Director, President of DYNAmore GmbH



Prof. Karl Schweizerhof



Biorid-II  
DYNAmore GmbH

### Sponsors of the event



IN COOPERATION WITH



Wednesday, 19<sup>th</sup> October 2005

06:00 - 09:00 pm Registration  
 06:00 pm Informal welcome – beverages and snacks

Thursday, 20<sup>th</sup> October 2005

08:00 am Registration

09:00 - 09:10 am Plenary Welcome

09:10 - 10:20 am Plenary **Keynote Presentations**

10:20 - 10:50 am Refreshment break

10:50 - 12:20 am Plenary **Keynote Presentations**

12:20 - 02:00 pm Lunch

02:00 - 03:20 pm Parallel sessions **Crash I** **Metal-forming I** **Robustness** **IT I**

03:20 - 04:00 pm Refreshment break

04:00 - 05:40 pm Parallel sessions **Crash II** **Metal-forming II** **Optimization** **IT II**

05:40 - 06:00 pm Break

06:00 - 07:00 pm Plenary **IT Forum**

08:00 - 11:00 pm **Social Event**



Friday, 21<sup>st</sup> October 2005

08:20 - 10:00 am Parallel sessions **Passive Safety I** **Crash III** **Modeling** **IT III**

10:00 - 10:40 am Refreshment break

10:40 - 12:20 am Parallel sessions **Passive Safety II** **Material** **New Methods**

12:20 - 02:00 pm Lunch

02:00 - 03:00 pm Plenary **Keynote Presentations**

03:00 - 03:15 pm Refreshment break

03:15 - 04:30 pm Plenary **Keynote Presentations**

04:30 - 04:45 pm Farewell

Exhibition

Exhibition

# AGENDA – THURSDAY, 20<sup>th</sup> OCTOBER 2005

09:00 - 09:10 am

## Welcome

U. Franz (DYNAmore GmbH)



## PLENARY

### KEYNOTE PRESENTATIONS

09:10 - 09:50 am

#### Recent Developments in LS-DYNA

J. Hallquist (Livermore Software Technology Corporation - LSTC)

09:50 - 10:20 am

#### Elastoplasticity of Elastomeric Materials – Experimental Facts and Constitutive Modeling

Prof. P. Haupt (University Kassel)

10:20 - 10:50 am

Refreshment Break

10:50 - 11:20 am

#### 20 Years of Crash Simulation at Opel – Experiences for Future Challenge

S. Frik, B. Gosolits, C.-S. Böttcher (Adam Opel AG)

11:20 - 11:50 am

#### Der Einfluss des Herstellungsprozesses auf die mechanischen Eigenschaften thermoplastischer Bauteile

S. Glaser, A. Wüst (BASF AG)

11:50 - 12:20 am

#### Crash Sensors – Overview and Trends

G. Scholpp (Siemens Restraint Systems GmbH)

12:20 - 2:00 pm

Lunch

## PARALLEL

### CRASH I – SPOTWELD / BONDING

02:00 - 02:20 pm

#### An Investigation on Spotweld Modelling for Crash Simulation with LS-DYNA

F. Seeger, M. Feucht, T. Frank (DaimlerChrysler AG);  
B. Keding, A. Haufe (DYNAmore GmbH)

02:20 - 02:40 pm

#### Advanced Spotweld Failure Modelling Based on Trefftz Formulation

T. Heubrandtner, D. Scherjau (vif GmbH);  
G. Rangger (Technical University Graz)

02:40 - 03:00 pm

#### Entwicklung und Anwendung von Ersatzmodellen für die Modellierung von Klebverbindungen unter Crashbelastung

D. Memhard, F. Andrieux, D.-Z. Sun (Fraunhofer IWM);  
M. Feucht, T. Frank, S. Kolling (DaimlerChrysler AG)

03:00 - 03:20 pm

#### Modeling and Analysis of Adhesively Bonded Joints with Interface Elements for Crash Analysis

S. Gerlach, Prof. A. Matzenmiller (University Kassel)

03:20 - 04:00 pm

Refreshment Break

## PARALLEL

### CRASH II

04:00 - 04:20 pm

#### A Simplified Rubber Model with Damage

Prof. D. Benson (University California); P. Du Bois (Consultant); S. Kolling (DaimlerChrysler AG)

04:20 - 04:40 pm

#### Werkstoffcharakterisierung für den Crash (Simulation und Versuch) - Bewertungsmöglichkeiten und Grenzen mit Hilfe von exemplarischen Crashprobekörpern

M. Bader, R. Röttger (ThyssenKrupp Stahl AG)

04:40 - 05:00 pm

#### Alternative Model of the Offset Deformable Barrier

T. Tryland (Hydro Automotive Structures, Raufoss)

05:00 - 05:20 pm

#### Modelling of the Failure Behaviour of Windscreens and Component Tests

D.-Z. Sun, F. Andrieux, A. Ockwitz (Fraunhofer IWM); H. Klamser, J. Hogenmüller (Dr. Ing. h.c. F. Porsche AG)

05:20 - 05:40 pm

#### Explicit Simulation of Automobile Seating Using LS-DYNA

P. Williamson (P+Z Engineering AG)

06:00 - 07:00 pm

## IT FORUM

08:00 - 11:00 pm

## SOCIAL EVENT

### METAL FORMING I

#### Eine Möglichkeit zur Berücksichtigung der elastischen Werkzeugeigenschaften bei der Blechumformsimulation

Prof. K. Roll (DaimlerChrysler AG);  
J. Hoffmann (FH Lausitz)

#### Numerical Analysis of High Speed Roller Hemming Processes

J. Baumgarten, P. Plapper (Adam Opel AG)

#### Einsatz von LS-DYNA bei der Blechumformung – Praxisbeispiele

M. Welle (Progress Werke Oberkirch AG)

#### Coupled Thermal and Mechanical Simulation of Press Stamping Process

D. Lorenz, Prof. K. Roll (DaimlerChrysler AG)

### METAL FORMING II

#### Simulation eines mehrstufigen Umformprozesses

W. Rimkus, Prof. H. Bauer (FH Aalen); G. Bauknecht, R. Morlo, T. Karstens (ZF Getriebe GmbH)

#### Maßhaltigkeitsoptimierung bei der Blechumformung für hochfeste Stähle mit LS-DYNA und HyperWorks

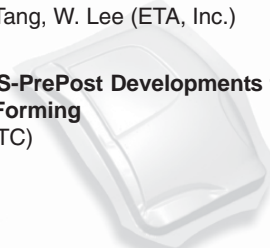
C. Bäuerle, G. de los Rios (Altair Engineering GmbH)

#### New Features of eta/DYNAFORM

J. He, A. Tang, W. Lee (ETA, Inc.)

#### Recent LS-PrePost Developments for Model Setup in Metal Forming

P. Ho (LSTC)





Pictures from 3<sup>rd</sup> LS-DYNA Forum 2004

**EXHIBITORS (July 2005)**

- |                                |                        |
|--------------------------------|------------------------|
| Altair Engineering GmbH        | Hewlett Packard GmbH   |
| Antauris AG                    | Inprosim GmbH          |
| Arup                           | Intel GmbH             |
| AMD                            | MSC.Software GmbH      |
| BETA CAE                       | science + computing ag |
| CRAY Inc.                      | Silicon Graphics GmbH  |
| DYNAmore GmbH                  | TNO Automotive GmbH    |
| Fraunhofer SCAI                | Tecosim GmbH           |
| Fujitsu Siemens Computers GmbH | transtec AG            |
| GNS Systems GmbH / GNS mbH     | ...                    |

**ROBUSTNESS**

**Robustness Features in LS-OPT Version 3.0**  
N. Stander, W. Roux (LSTC)

**Robustheitsuntersuchung am Beispiel der rechnerischen Simulation der ECE-R14**  
K. Hessenberger, R. Henniger (DaimlerChrysler AG)

**Fuzzy-Analyse vs. stochastische Methoden – theoretische Grundlagen**  
Prof. B. Möller (Technical University Dresden)

**Fuzzy-Analyse vs. stochastische Methoden – Gegenüberstellung anhand eines Crash-Beispiels**  
M. Liebscher (Technical University Dresden);  
M. Thiele (DYNAmore GmbH)

**OPTIMIZATION**

**Optimization Features in LS-OPT Version 3.0**  
N. Stander (LSTC)

**Shape Optimization of a Crashbox using HyperMorph and LS-OPT**  
H. Wang (Benteler AG); H. Müllerschön (DYNAmore GmbH); T. Mehrens (HAW Hamburg)

**Formoptimierung mit parametrisierten Flächenmodellen und LS-OPT**  
M. Quadbeck (EDAG Engineering + Design AG)

**Optimierungsmethoden in der Strukturmechanik – Praxisvergleich zwischen LS-OPT und HyperStudy**  
J. Winklhofer (FH Graz); C. Lind, H. Schluder (vif GmbH)

**Multidisciplinary Optimization Considering Crash, NVH and Durability Loadcases using OPTIMUS**  
I. Nitsopoulos, B. Lauber (FE-Design GmbH)

**IT I**

**Meeting the Needs of High Performance Computing – Move to 64 bit Architecture**  
C. Morosanu (Intel GmbH)

**AMD's Multi Core Technology in LS-DYNA Projects**  
T. Wilkens (AMD)

**SGI Update zu LS-DYNA**  
J. Hellauer (Silicon Graphics GmbH)

**Skalierung von LS-DYNA auf modernen Interconnect Architekturen**  
A. Findling (NEC High Performance Computing Europe GmbH)

**IT II**

**Überblick über HPs Unified Cluster Portfolio**  
M. Willem (Hewlett Packard GmbH)

**Cray XD1 – Extreme Performance with LS-DYNA through the RapidArray Network Technology**  
D. Obrist (Cray Computer GmbH)

**Schlüsselfertige Cluster-Lösungen für LS-DYNA mit Dienstleistungs-Angeboten**  
E. Schnepf (Fujitsu Siemens Computers GmbH)



**PARALLEL**

02:00 - 02:20 pm

02:20 - 02:40 pm

02:40 - 03:00 pm

03:00 - 03:20 pm

03:20 - 04:00 pm

**PARALLEL**

04:00 - 04:20 pm

04:20 - 04:40 pm

04:40 - 05:00 pm

05:00 - 05:20 pm

05:20 - 05:40 pm

06:00 - 07:00 pm

08:00 - 11:00 pm

# AGENDA – FRIDAY, 21<sup>st</sup> OCTOBER 2005

## PARALLEL

### PASSIVE SAFETY I

- 08:20 - 08:40 am **Einfluss der Materialbeschreibung bei kurzzeit-dynamischen Simulationsvorgängen**  
S. Dominico, A. Huß (IHF GmbH)
- 08:40 - 09:00 am **Validierung von dehnratenabhängigem Schaummaterial für verschiedene Temperaturen**  
J. Uftring, G. Scholpp (Siemens Restraint Systems GmbH)
- 09:00 - 09:20 am **Entwicklung und Anwendung von Fußgänger-schutz-Impaktormodellen**  
T. Frank (DaimlerChrysler AG); M. Söllner (Dr. Ing. h.c. F. Porsche AG); A. Kurz (Lasso GmbH); M. Pitzer (PENG)
- 09:20 - 09:40 am **Development of the Numerical Model of the New-born Child Dummy Q0**  
C. Gehre, Prof. V. Schindler (Technical University Berlin)
- 09:40 - 10:00 am **Validation der 3 yrs and 6 yrs FTSS-Dummy-Modelle für Check der OOP-Eignung**  
C. Ruff (vif GmbH); A. Eichberger (Magna Steyr Engineering); T. Jost (FH Graz)
- 10:00 - 10:40 am Refreshment Break

### CRASH III

- Development of a High Strain-Rate Dependent Vehicle Model**  
M. Dietenberger, M. Buyuk, Prof. S. Kan (George Washington University, NHTSA)
- Entwicklung und Umsetzung eines Abgleitmechanismus zur Erhöhung der Fahrzeugsicherheit**  
W. Schimpl, G. Schönberger, A. Eichberger (Magna Steyr Engineering)
- Approach to Identify the Constitutive Model Parameters of Aluminum Honeycomb Materials**  
M. Buyuk, Prof. S. Kan (George Washington University, NHTSA)
- Collision-Safety of Offshore Wind Energy Conversion Systems**  
F. Biehl (Technical University Hamburg Harburg)

## PARALLEL

### PASSIVE SAFETY II

- 10:40 - 11:00 am **FE-Simulationsbasierte Optimierung von adaptiven Rückhaltesystemparametern für mehrere Front-Schutz Lastfälle mit LS-OPT**  
M. van den Hove, B. Mlekusch (Audi AG); H. Müller-schön (DYNAmore GmbH)
- 11:00 - 11:20 am **Coupling of Deformable Rigid Bodies with Finite Elements to Simulate FMVSS Head Impact**  
J. Bitzenbauer (University Karlsruhe), B. Mlekusch (Audi AG); U. Franz, A. Schulz (DYNAmore GmbH)
- 11:20 - 11:40 am **Development of Numerical Dummy Models Using a Rating Procedure**  
R. Kant (TNO Automotive Germany GmbH)
- 11:40 - 12:00 am **New Dummy Models from FTSS**  
B. Shah (FTSS, Inc.)
- 12:00 - 12:20 pm **Development of Biorid-2 Dummy Model**  
P. Schuster, S. Stahlschmidt, U. Franz (DYNAmore GmbH); A. Rieser, H. Kassegger (University Graz)
- 12:20 - 14:00 pm Lunch

### MATERIAL

- Polymers in Crash Applications: State-of-the-Art and Perspective**  
F. Huberth, S. Hiermaier (Fraunhofer EMI)
- Simulationsmethodik für das Hinterspritzen/ Hinterpressen von textilen Einbauteilen im Automobilinnenraum**  
P. Reithofer, M. Hinterwallner (advanced polymer engineering GmbH)
- A New Evaluation Criterion for Damaged Structures**  
M. Timmel, M. Kaliske (University Leipzig); S. Kolling (DaimlerChrysler AG)
- Anwendungsgerechte Kunststoffcharakterisierung**  
M. Fritz, R. Hafellner (advanced polymer engineering GmbH)
- \*MAT\_CONCRETE\_DAMAGE Release III – New Features and Capabilities**  
L. Schwer (Schwer Engineering & Consulting Services)

## PLENARY

### KEYNOTE PRESENTATIONS

- 02:00 - 02:30 pm **Neue Optimierungsstrategien für die Crash-Auslegung**  
Prof. A. Schumacher (HAW Hamburg)
- 02:30 - 02:00 pm **Current Status and Future Applications of Sheet Metal Forming Simulation**  
M. Wagner, J. Meinhardt (BMW AG)
- 03:00 - 03:15 pm Refreshment Break
- 03:15 - 03:45 pm **A Semianalytical Model for the Simulation of Polymers**  
P. Du Bois (Consultant); S. Kolling, M. Feucht (DaimlerChrysler AG)
- 03:45 - 04:30 pm **Recent Developments in LS-DYNA - II**  
J. Hallquist (Livermore Software Technology Corporation - LSTC)
- 04:30 - 04:45 pm **Farewell**  
Prof. K. Schweizerhof (DYNAmore GmbH / University Karlsruhe)

MODELING

**Virtual Product Development; Processes and Methods for Crash Applications**  
U. Bruder, P. Doelfs (MSC.Software GmbH)

**The Use of an Oasys PRIMER Model Management Database During Accelerated Vehicle Development Programs such as the 1805 Ford GT 6b - 63**  
T. Keer, S. Iregbu (Arup)

**A Study of Mesh Sensitivity for Crash Simulations: Comparison of Manually and Batch Meshed Models**  
P. Du Bois (Consultant); L. Frederiksson, M. Ratzel, D. Schneider (Altair Engineering GmbH)

**Element Sizes in Crash Calculation**  
M. Müller-Bechtel, M. Sens, U. Jankowski (Tecosim GmbH)

IT III

**Aufbau einer Anwendungsinfrastruktur zur Unterstützung von LS-DYNA Abläufen auf Hochleistungsrechnern**  
S. Ciesla (GNS Systems GmbH)

**Integration von LS-DYNA MPP in das Lastverteilungssystem LSF**  
C. Woll (GNS Systems GmbH)

**Resourcen und Prozessoptimierung durch den Einsatz virtueller Server**  
N. Burghard (science + computing ag)

**Neue Features in PBS Professional**  
J. Krebs (Altair Engineering GmbH)

PARALLEL

08:20 - 08:40 am

08:40 - 09:00 am

09:00 - 09:20 am

09:20 - 09:40 am

09:40 - 10:00 am

NEW METHODS

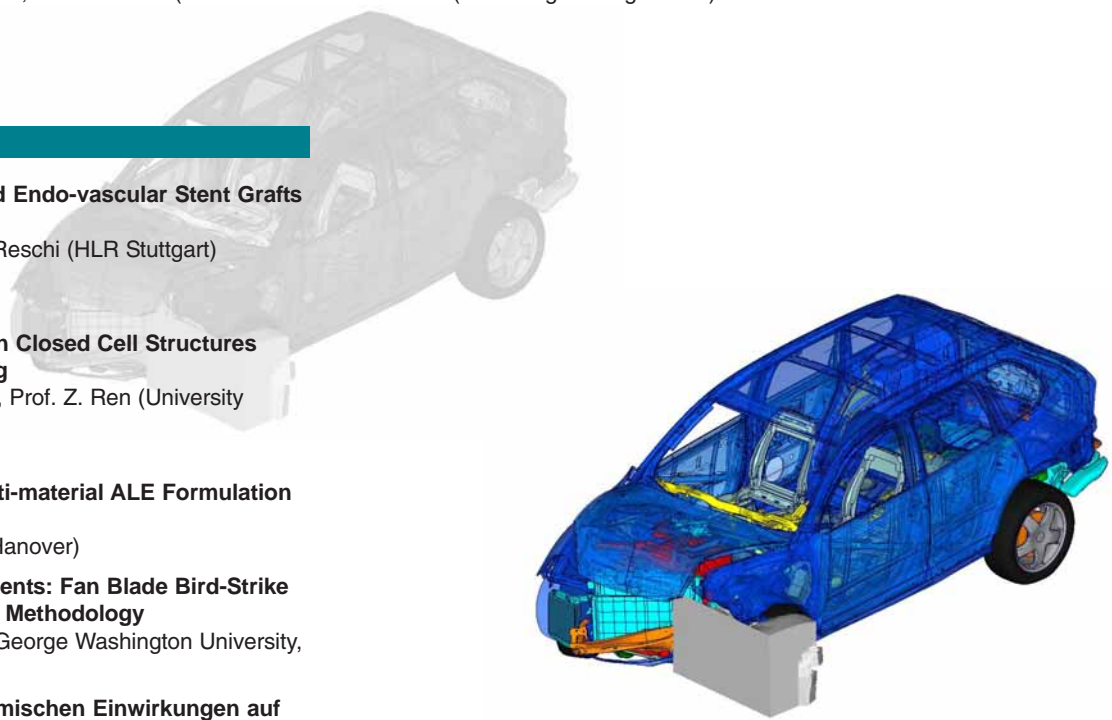
**Simulation of Implanted Endo-vascular Stent Grafts with LS-DYNA**  
D. Pesek, U. Küster, M. Reschi (HLR Stuttgart)

**Influence of Pore Gas in Closed Cell Structures under Dynamic Loading**  
M. Vesenjak, A. Öchsner, Prof. Z. Ren (University Maribor)

**Assessment of the Multi-material ALE Formulation with FSI**  
R. Bötticher (University Hanover)

**Beyond the Finite Elements: Fan Blade Bird-Strike Analysis by Using SPH Methodology**  
M. Buyuk, Prof. S. Kan (George Washington University, NHTSA)

**Untersuchung zu dynamischen Einwirkungen auf Vordächer mit Hilfe von Fluid-Struktur-Interaktion**  
S. Brendler (Landesgewerbeamt BW, Landesstelle für Bautechnik); A. Haufe (DYNAmore GmbH)



By Courtesy of Dr. Ing. h.c. F. Porsche AG



Keynote Speaker 2004 (f.l.t.r.): Dr. J. Hallquist (LSTC), Prof. E. Ramm (Universität Stuttgart), Prof. K. Roll (DaimlerChrysler AG), Dr. F. Günther (DaimlerChrysler AG), Prof. N. Petrinic (University of Oxford), Dr. P. Middendorf (EADS Deutschland GmbH)



City Center of Bamberg



View over Bamberg



„Bamberger Reiter“

**Conference Location**

ECCB Event-Congress-Center-Bamberg  
 Welcome Hotel Bamberg  
 Mußstraße 7, D-96047 Bamberg  
 Tel. +49 (0) 9 51 - 70 00 - 0  
 Fax +49 (0) 9 51 - 70 00 - 5 16  
 www.welcome-to-bamberg.com

**Accommodation**

At the hotel of the ECCB (Welcome Hotel Bamberg) we have arranged a special room rate for attendees until **8th September 2005** (single room from 86.- Euro / Night incl. breakfast).

Please reserve the hotel room by yourself. Please use the keyword „DYNAmore“ when you book your room.

**Registration fees**

Industry participant:  
 480.- Euro / attendee (430.- Euro\*)  
 Academic (university employees):  
 330.- Euro / attendee (300.- Euro\*)  
 + VAT if applicable  
 \* Early bird registration until 22<sup>th</sup> July 2005  
 Fee includes: conference attendance, conference proceedings, social event, lunch, coffee breaks, beverages and snacks on 19<sup>th</sup> October 2005.

**Hardware and Software Exhibition**

Please request further information.

**Conference Language**

German and English

**Registration / Confirmation**

Please complete the registration form and send or fax it to:  
 DYNAmore GmbH, Kathleen Ryssel  
 Industriestr. 2, D-70565 Stuttgart  
 Tel. +49 (0) 7 11 - 45 96 00 - 0  
 Fax +49 (0) 7 11 - 45 96 00 - 29  
 e-mail: info@dynamore.de  
 Web registration also available at:  
<http://www.dynamore.de>



**ECCB Event-Congress-Center-Bamberg  
 Welcome Hotel Bamberg**

**Traveling by car**

*West, (from Frankfurt or Würzburg)*  
 Motorway A3 towards Würzburg/Nürnberg until the exit Bamberg; Take the B 505 until exit Memmelsdorf/Scheßlitz, go left towards Bamberg, follow the Memmelsdorfer Straße approximately 5 km. after the first big bridge take a left towards Konzert- und Kongresshalle; after approx. 500 meters on the right side is the entrance to the hotel.

*South, (Munich or Nuremberg)*  
 Motorway A9 until junction Nürnberg there take the A3 towards Würzburg until junction Fürth/Erlangen, then take the A73 towards Bamberg. Take exit Memmelsdorf/Gartenstadt; left towards Bamberg; follow the Memmelsdorfer Straße approx. 5 km. after the first big bridge take a left towards Konzert- und Kongresshalle after approx. 500 meters on the right side is the entrance to the hotel.

*East, (Berlin or Bayreuth)*  
 Motorway A9 until motorway junction Bayreuth-Kulmbach, then take the A70 towards Bamberg until exit Hallstadt; left towards Bamberg, at the fourth traffic light, (across from VAG dealer), right into the Magazinstraße; after the second big bridge left towards Konzert- und Kongresshalle, after approximately 500 meters on the right side is the entrance to the hotel.

*North, (Kassel or Schweinfurt)*  
 Motorway A7 until the exit Schweinfurt-Werneck, then on the A70 towards Bamberg until exit Hallstadt; right towards Bamberg, at the fourth traffic light, (across from VAG dealer), right onto the Magazinstraße; after the second big bridge left towards Konzert- und Kongresshalle after approx. 500 meters on the right side is the entrance to the hotel.

**Traveling by train**

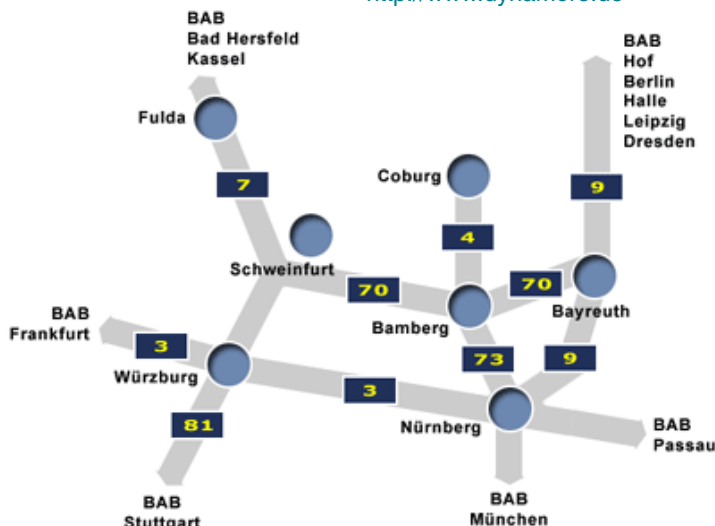
ICE station on route Berlin - Nuremberg - Munich.

**Traveling by plane**

Airport Munich, Frankfurt, Nuremberg.

Please find more information about travelling and the city of Bamberg at:  
[www.bamberg.info](http://www.bamberg.info)

Please find more information about the conference at:  
[www.dynamore.de](http://www.dynamore.de)





Please complete and fax to  
or copy and send to

Fax +49 (0) 7 11 - 45 96 00 29  
DYNAmore GmbH, Industriestr. 2, D-70565 Stuttgart, Germany

I would like to register for the conference

4<sup>th</sup> LS-DYNA FORUM 2005, 20<sup>th</sup> - 21<sup>st</sup> October 2005 in Bamberg, Germany.

Registration fee:

Industry participant: 480.- Euro / attendee (430.- Euro\*);

Academic (university employees): 330.- Euro / attendee (300.- Euro\*)

\* Early bird registration until 22<sup>th</sup> July 2005; + VAT if applicable

I will attend the informal welcome in the evening of the 19th October 2005.  
(included in registration fee).

I will not attend the conference. Please contact me - I am interested in ...

the contents of the conference,

the software LS-DYNA,

special offers for LS-DYNA,

products and services of DYNAmore.

We intend to participate in the **hardware and software exhibition**. Please send us information for exhibitors.

We are interested in **sponsoring** the conference. Please send information for sponsors.

Please update me for **future events and news on LS-DYNA**.



By Courtesy of  
Ericsson Mobile  
Communications AB

Online registration available at <http://www.dynamore.de>

## SENDER

Name: \_\_\_\_\_

First name: \_\_\_\_\_

Company / University: \_\_\_\_\_

Department: \_\_\_\_\_

Street: \_\_\_\_\_

Postal code, city: \_\_\_\_\_

Country: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

# ROOM RESERVATION

Please complete and fax or send to the one of the hotels mentioned below!

Special room rates for attendees has been agreed with the following hotels (valid until 8<sup>th</sup> September 2005). Blocked rooms will be released after this date - there is no guarantee to get a room at this special rate after this date. If you book your hotel room by phone please use the the keyword "DYNAmore".

## Event: „DYNAmore 2005“

Binding room reservation – latest registration: 8<sup>th</sup> September 2005. This form will be sent back to confirm your registration!

I would like to book a hotel room in the hotel:

**WELCOME HOTEL Bamberg (Congress hotel)**

Mußstraße 7  
D-96047 Bamberg, Germany  
Tel.: +49-(0)951-70 00 0  
**Fax: +49-(0)951-70 00 516**  
www.welcome-to-bamberg.com

\_\_\_ single room 86,00 Euro per night incl. breakfast  
\_\_\_ double room 106,00 Euro per night incl. breakfast

**WELCOME HOTEL Residenzschloss Bamberg**

Untere Sandstraße 30-32 (approx. 3 min. walk)  
D-96049 Bamberg, Germany  
Tel.: +49-(0)951-60 91 0  
**Fax: +49-(0)951-60 91 701**  
www.welcome-to-bamberg.com

\_\_\_ single room 113,00 Euro per night incl. breakfast  
\_\_\_ double room 146,00 Euro per night incl. breakfast

smoking  non smoking (when available!)

Travel: arrival date: \_\_\_\_\_ departure date: \_\_\_\_\_ nights: \_\_\_\_\_

probably by  train  car I will probably arrive at: \_\_\_\_\_ hours

Payment: at the hotel reception on departure! Cancellation: 48 hours before arrival free, 24 hours before arrival 80% of room rate.

The rooms are available on the day of arrival at 03:00 pm; check out on te day of departure is 11:00 am. If you will arrive later than 06:00 pm, please inform the hotel. This is under the general terms and conditions of the hotels.

## SENDER

Name: \_\_\_\_\_

First name: \_\_\_\_\_

Company / University: \_\_\_\_\_

Department: \_\_\_\_\_

Street: \_\_\_\_\_

Postal code, city: \_\_\_\_\_

Country: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

## RESERVATION CONFIRMATION (will be completed by the hotel!)

Reservation no: \_\_\_\_\_

Bamberg / date \_\_\_\_\_

Signature / hotel stamp: \_\_\_\_\_



Please complete and fax to  
or copy and send to

Fax +49 (0) 7 11 - 45 96 00 29  
DYNAmore GmbH, Industriestr. 2, D-70565 Stuttgart, Germany

I would like to register for the conference

4<sup>th</sup> LS-DYNA FORUM 2005, 20<sup>th</sup> - 21<sup>st</sup> October 2005 in Bamberg, Germany.

Registration fee:

Industry participant: 480.– Euro / attendee (430.– Euro\*);

Academic (university employees): 330.– Euro / attendee (300.– Euro\*)

\* Early bird registration until 22<sup>th</sup> July 2005; + VAT if applicable

I will attend the informal welcome in the evening of the 19th October 2005.  
(included in registration fee).

I will not attend the conference. Please contact me - I am interested in ...

the contents of the conference,

the software LS-DYNA,

special offers for LS-DYNA,

products and services of DYNAmore.

We intend to participate in the **hardware and software exhibition**. Please send us information for exhibitors.

We are interested in **sponsoring** the conference. Please send information for sponsors.

Please update me for **future events and news on LS-DYNA**.



By Courtesy of  
Ericsson Mobile  
Communications AB

Online registration available at <http://www.dynamore.de>

**SENDER**

Name: \_\_\_\_\_

First name: \_\_\_\_\_

Company / University: \_\_\_\_\_

Department: \_\_\_\_\_

Street: \_\_\_\_\_

Postal code, city: \_\_\_\_\_

Country: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_



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