

International Automotive

BODY CONGRESS

PROGRAM

WORLD AUTOMOTIVE BODY

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www.bodycongress.org

June 10-11, 2008

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Registration

Hours

Monday, June 9	1:00 pm to 5:00 pm
Tuesday, June 10	7:30 am to 3:30 pm
Wednesday, June 11	8:00 am to 2:00 pm

Due to the limited space, you are strongly advised to register before May 9, 2008. This will reduce your registration fees and save time. If you register on or before May 9, 2008, please collect your registration materials from the designated area marked "Advanced Registration".

Directors of IABC Advisory Board, Program & Session Chairs, Authors & Co-Authors Registration

Please collect registration from the designated area marked "Authors & Chairs" in the foyer of Hotel Kasteel Bloemendal.

Message Center

The IABC Message Center is located in the registration area. Incoming messages for International Automotive Body Congress (IABC) will be received at +31 43 365 98 00, and you are asked to check your messages during the registration hours. There are no public address systems.

Conference and Exposition

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Media Registration

Advanced Media Registration is required. Media representatives should go directly to the Advanced Registration Desk in the foyer of Hotel Kasteel Bloemendal

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For phone reservations use the group code "IABC" to receive the discount rate. For online reservations use the group code "IABC" to receive the discount rate. www.hotelbloemendal.nl

Last day to receive hotel discount is April 16, 2008.

Important Note

No solicitation/ distribution of any materials except by exhibitors/sponsors. Recipients of this program are asked not to have any parallel functions or events such as an open house, training, exhibits, or any other activities during the week of International Automotive Body Congress (IABC) without a courtesy permission.

Name badges must be worn at all times!

Although changes are not likely, International Automotive Body Congress (IABC) Program Committee & Chairs reserve the right to amend this program without any notice. For the most up to date program information please visit our website: www.bodycongress.org

Attire

Style code is in effect (business suit is suggested).

Technical Programs

Tuesday Sessions	8-10
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	Monday, June 9	Tuesday, June 10	Wednesday, June 11
Registration	1:00 pm to 5:00 pm	8:30 am to 3:30 pm	8:30 am to 2:00 pm
Morning Sessions 8:30 am – 12:30 pm		<p>Plenary Session – Global Trends in Automotive Body Development</p> <p>Session Chair: Lothar Teske Chairman <i>GM Structures Focus Group, General Motors</i></p>	<p>Body Structures Complementing Materials</p> <p>Session Co-Chairs: Marjolaine Doux, PhD R & D Program Manager <i>ArcelorMittal</i></p> <p>Simon Xu Program Manager <i>General Motors</i></p> <p>Body Manufacturing - Forming</p> <p>Session Co-Chairs: Nico Langerak Department Manager <i>Corus Group</i></p> <p>Changqing Du, PhD Senior Product Engineering Specialist <i>Chrysler</i></p>
Luncheons		12:30 pm to 1:30 pm	12:30 pm to 1:30 pm
Afternoon Sessions 1:30 pm – 5:30 pm		<p>Body Design & Engineering</p> <p>Session Co-Chairs: Mikael Fermer, PhD Technical Specialist <i>Volvo</i></p> <p>Udo Haenle, PhD Head of Body Concepts & Design <i>BMW</i></p>	<p>Body Advanced Manufacturing & Processes</p> <p>Session Co-Chairs: Mariana Forrest, PhD President <i>LASAP</i></p> <p>Sumanjit Singh, PhD Consultant <i>Audi (Emeritus)</i></p>
Exhibits	Set-up 1:00 pm to 5:00 pm	Open 10:00 am - 1:30 pm 3:00 pm - 7:30 pm	Open 10:00 am to 4:00 pm Exhibit Teardown 4:00 pm to midnight
Special Events		Exhibit Hall Reception 6:00 pm - 7:30 pm	

For the most up-to-date program information go to www.bodycongress.org

Reception

Tuesday, June 10, 6:00 pm - 7:30 pm

The **GAMC Board** sponsors this special event to meet, greet, and to renew old acquaintances and make new ones. Enjoy the fellowship of the laser community as you partake in food for thought; all enhanced with some light liquid refreshments.

Do Not Miss It!

Reception

At Exhibits

Tuesday, June 10
6:00 pm to 7:30 pm

Morning Breaks

At Exhibits

Tuesday, June 10
10:20 am to 10:50 am

Wednesday, June 11
10:30 am to 11:00 am

Group Lunches

Hotel Kasteel Bloemendal Restaurant

Tuesday, June 10
12:45 pm to 1:30 pm
Wednesday, June 11
12:30 pm to 1:30 pm

Afternoon Breaks

At Exhibits

Tuesday, June 10
3:00 pm to 3:30 pm
Wednesday, June 11
3:30 pm to 4:00 pm

Tentative Exhibit Hours

June 10: 10:00 am - 1:30 pm, 3:00 pm - 7:30 pm
June 11: 10:00 am - 4:00 pm



About GAMC

www.gamcinc.org

Global Automotive Management Council is a team of senior executives from the global automotive community whose goal is to facilitate the globalization of the automotive and related industries through periodic meetings, seminars and other educational forums restricted to key players who are shaping the future.

Objectives

Conduct formal and informal meetings, seminars, conferences, expositions for dissemination of scientific, engineering, and business knowledge. Provide one-stop learning forum for engineers, managers and executives. Address engineering and management topics focused on issues directly related to OEMs and their suppliers and customers.

Provide platform to exchange information among OEMs and their suppliers. Publish materials presented by participants at the conference to ensure permanent records of all contributions.

Publish technical magazines to propagate information at a regular basis. Form a worldwide network of engineers, managers and executives. Support educational research and other organizations to advance knowledge and research in the areas of powertrain, technology, safety and emissions.

Management

Global Automotive Management Council is a non-profit organization.

Governing Body

Executive & Supervisory Board, Advisory Board, Technical Program Committee, Planning & Functional Committee.

For Membership/Volunteering Information Please Contact

Phone 734 944 5850

Fax 734 944 5840

Email info@gamcinc.org

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Body Innovation Award Entry Form

The Technical Program Committee of the International Automotive Body Congress will present two prizes to the best Body Innovations. The areas of the Body Innovations are body materials, design, engineering, manufacturing, processes, systems, and components will be considered.

I/We am/are contributors for the innovation described in this entry form.

Submitted by: _____

Developed by: _____

Name of Innovation: _____

Company: _____

Address: _____

P.O. Box _____ Mail Code _____ CIMS Code _____ Suite _____

Phone: _____

Fax: _____

Was this innovation submitted anywhere before? Yes No

Date: _____

Where? _____

Date Completed: _____

Date Commercialized: _____

Patented? Yes No Patent #: _____

The Body Innovation Award Entries will be judged based upon the following criteria:

- 1. Innovation** - An innovative idea or process that stimulates new ways of thinking and will create a substantial improvement in the body area.
- 2. Uniqueness** - The difference that the idea or process will make compared to present methods.
- 3. Manufacturing Feasibility** - The ability of the concept or process and its applicability over overall effects in the industry.
- 4. Benefit to User** - Improvement that concept or process will have in cost, timing and productivity and environment.

Please provide IABC with information that will help identify how your entry affected these four areas. Examples that provide this information are a report summarizing your entry, drawings, case studies, technical reports, etc.

PLEASE SUBMIT 11 COPIES OF ALL MATERIALS

Please fax or mail the filled out copy of this form long with other required materials to IABC.

Submit entry to:

IABC 2008 Award Committee
166 South Industrial
Saline, Michigan 48176-9493, USA
Phone 734 944 5850
Fax 734 944 5840

Last Date for Submission: May 9, 2008

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Sponsorship Details

Minimum Sponsorship Euro 7,000

Sponsorship Includes

- One Exhibit Space
- One Conference Registration
- Company Name Printed on all IABC 2008 promotional materials; as well as Internet links on the IABC 2008 Website, Body & Assembly magazine Website, www.bodyandassembly.com
- 15% Discount on Ads Placed in Body & Assembly Magazine

The Following Additional Sponsorship Opportunities are Available:

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1 Available - Euro 5,000

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2 Available - Euro 3,500

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4 Available - Euro 2,000

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1 Available - Euro 1,000

Evening Reception

3 Available - Euro 3,000

Technical Program

2 Available - Euro 2,000

Registration Bag Inserts

6 Available - Euro 1,000

Exhibition Directory

Euro 2,500

Technical Group Refreshments

4 Available - Euro 1,000

General Refreshments

Unlimited - Euro 300

For more information call or email the IABC office at:
734 944 5850 or info@bodycongress.org

Exhibit Space Contract

Exhibit Space Assignment Terms:

(Standard booth: Euro 3,500)

Exhibitor requests exhibit space by meter/ft. with preference given to the following locations:

1st Choice: _____

2nd Choice: _____

3rd Choice: _____

For floor plan, contract, details, terms & conditions please visit us on the web: www.bodycongress.org

Exhibitor agrees to enclose 50% along with this agreement.

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For more information call the IABC office at: 734 944 5850
or email: info@bodycongress.org

Exhibit Space

Exhibit space can be configured to meet company specifications. Please call the IABC office for details, Phone (734) 944 5850.

Rental Rate

Euro 3,500 per booth

Rental Rate Includes

- Company ID sign
- Two registration for the full conference
- Complete Exhibitor Service Manual
- Removal, storage and return of empty crates
- 24-hour peripheral security
- Company/Product Listing on the web site

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Plattegrondgewelven



DEP - Detroit Engineered Products

NOBLE - Noble International, Ltd.

J&N - J&N Group, LLC.

MSC - Material Sciences Corporation - Europe

ARNOLD - Arnold Umformtechnik GmbH & Co. KG

GOMECSYS BV

HBM Inc.

BEKAERT

CORUS Group

Tuesday, June 10, 2008

Morning Session

GLOBAL TRENDS IN AUTOMOTIVE BODY DEVELOPMENT

Session Chair **Lothar Teske, Chairman, GM Structures Focus Group, GM**



Lothar Teske has been the Manager Structure Development and Simulation of GM Europe since 2005 and Chairman of the Global Structure Focus Group of GM. For the previous 4 years Mr. Teske was Manager of Body Structure Development. From 1997 till 2001 he was Manger of Underbody Design & Corrosion Protection for all Opel carlines. He started at Opel in 1993 as Project Engineer for Structural Development of the Astra carline. Before joining Opel Mr. Teske worked as a contractor for the automotive and nuclear power plant industries. Mr. Teske received his Bachelors degree at Fachhochschule Schweinfurt in 1982.

8:30 am

Introduction & Opening Remarks

Lothar Teske, Chairman, GM Structures Focus Group, *General Motors*

8:40 am

Potential of New Steel Technologies and Materials for Costefficient Lightweight Design

Henrik Adam, PhD, Senior Vice President, *ThyssenKrupp Steel*



Dr. Henrik Adam is Senior Vice President of Sales/Engineering at ThyssenKrupp Steel AG, Automotive Division since 2003. Dr. Adam joined ThyssenKrupp in 1998 and held several engineering management positions. Prior, Dr. Adam was the Managing Director at the Automotive Technology Center (fka) in Aachen from 1997 until 1998 and R&D Manager "Body-in-White" and "Chassis" at the Forschungsgesellschaft Kraftfahrwesen mbH Aachen (fka) / Automotive Technology Center in Aachen from 1995 to 1997. Dr. Adam received his Dipl.-Ing in 1991 and PhD in 1995 from Ruhr University in Bochum and RWTH University in Aachen, respectively. His PhD specialization was on "the optimisation of model used to calculate the energy absorption properties of body -in-white (BIW) structures."

9:05 am

Managing Tool Construction in a Global Sourcing Environment

Mark Battle, Director, *Chrysler*



Appointed August 1, 2006, Mark's current position is the Director of Advance Stamping Manufacturing Engineering (ASME) for Chrysler, LLC. In this capacity he is responsible for directing the management of all advance stamping engineering activities in support of the Stamping Division. These activities include: Stamping production planning, New model program development, Plant engineering support and, Management of internal tool and die manufacturing facility. Mark holds a bachelor's degree in Mechanical Engineering (BSME 78') from the University of Michigan, Ann Arbor, MI and a Master's Degree in Business Administration (MSA 88') from Central Michigan University. A former U.S. Naval Reserve Officer (rank of O-6), now retired after twenty-three years of distinguished service.

9:30 am

ArcelorMittal's Technical Services: How to Create Value from Body Design to Manufacturing

Jérôme Guth, Head of Advanced Eng & EVI, *ArcelorMittal*



Jerome Guth graduated in 1991 from the Ecole Centrale Paris with a specialization in Metallurgy and received a degree in Metallurgical Science from the Technische Universität Stuttgart. Jerome Guth is head of Advanced Engineering and EVI activities at ArcelorMittal Global Automotive Technical Platform. J. Guth joined the group in 1991. After four years in the welding laboratory in charge of automotive applications, he held several positions in the field of production of coated flat products, technical support to automotive clients and commercial Quality Assurance. He was appointed Executive Secretary to the Flat Carbon Europe division in 2006.

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<p>9:55 am</p>	<p>Evolution of Materials and Technologies Applications into Vehicle Body Architectures Antonio Fuganti, Director, <i>Centro Ricerche Fiat</i></p>  <p>Antonio Fuganti received his degree in Material Engineering, from the Trento University in 1991. At the end of that year he was employed by Centro Ricerche Fiat (CRF) in the Material and Technologies division where he had various professional experiences and held different management positions till assuming the role of Head Material Engineering Department in 1999. In 2000 moved to the Vehicle Division of CRF where he assumed the role of Head of Chassis & Body Design Department till the end of 2004. Since 2005 through 2006 he got the function of innovation programs co-ordination for the development of innovative vehicle systems (automotive, trucks and agricultural equipment). Since 2007 is Director of Trento Branch of Centro Ricerche Fiat (CRF), a subsidiary of Centro Ricerche Fiat finalized at the development of innovative programs in the area of Low volumes vehicles (niche productions) and Info-Telematics solutions for public mobility management and logistics. Antonio Fuganti is a member of the board of Automotive Circle International and member grade of SAE International.</p>
<p>10:20 am</p>	<p>Break</p>
<p>10:50 am</p>	<p>Automotive by Corus: Answers for the Automotive Industry of Tomorrow Maurice van Giezen, General Manager, <i>Corus Group</i></p>  <p>Maurice van Giezen, is manager Business Development Automotive of Corus Strip Products IJmuiden in the Netherlands. Besides this function mr Maurice van Giezen is also General Manager of the Corus Technology Venture "Corus Hyfo-TRB" in the Netherlands, producing special tubes for Hydroforming, Tailor rolled blanks and Tailor rolled tubes for the automotive industry. Before joining the steel industry in 2000, Maurice van Giezen held different positions in the Packaging Industry in the Netherlands, France and the USA. Mr Maurice van Giezen received his degree in Industrial Design Engineering from the University of Technology in Delft in 1989.</p>
<p>11:15 am</p>	<p>BIW Weight Reduction by Application of High Tensile Strength Steel Sheet Yoshiharu Michiura, Engineering Director, <i>Nissan</i></p>  <p>Mr. Yoshiharu Michiura is the Engineering Director, BIW engineering design NISSAN MOTOR CO., LTD., now responsible for advanced development for BIW engineering design. Mr. Michiura began his carrier at Nissan at the BIW engineering design after graduating from the Kyoto University. Over his 30 years of tenure at Nissan he held several engineering and management positions in the vehicle packaging, and interior. During early nineties Mr. Michiura worked as a Group Project Engineer of I/P packaging & engineering design, Nissan Research & Development Inc, N.A. Mr. Michiura became the Engineering Director in 2006.</p>
<p>11:40 am</p>	<p>Magnesium Science and Technology Development in China Wenfang Shi, PhD, Deputy General Manager, <i>China Nonferrous Metals Industry's Technical Development and Exchange Center</i></p>  <p>Dr. Shi Graduated from Materials Department of Northeastern University in August 1983. Engaged in advanced studies in management engineering department of Central South University from 1992-1997 and obtained a master's degree. Since 1993, She has participated in various research projects and obtained the professional titles of engineer, senior engineer and professor. Currently she is a deputy general manager of China Nonferrous Metals Industry's Technical Development and Exchange Center and deputy director of Science and Technology Department of China Nonferrous Metals Industry Association. She has participated in various projects in the National Science & Technology Pillar Program and China Magnesium Center. She is a active member of MFERD. She published a number of papers, presentations or reports and edited professional technical proceedings. She worked successfully as the member of various editorial committees and she has been twice the deputy secretary-general of the organization committees of Beijing International Conference. Since 2003, she has been a member of materials committee of Society of Automotive Engineers of China.</p>
<p>12:15 pm</p>	<p>Q & A Pannel Discussion</p>
<p>12:45 pm</p>	<p>Session Adjourned & Lunch</p>

Tuesday, June 10, 2008

Afternoon Session

BODY DESIGN & ENGINEERING

1:30 pm to 5:00 pm

Room: Monastere

Session Chairs Mikael Fermér, PhD, Technical Specialist, Volvo Cars Udo Haenle, PhD, Head of Body Concept & Design, BMW



Dr. Fermér is currently a Technical Specialist in Body Structure Development at Volvo Car Corporation. Dr. Fermér joined Volvo Cars in 1994 as a CAE-engineer. He was for six years responsible for CAE-based method development at the Strength and Durability Center before he moved over to Body Structure Engineering in 2003. Dr. Fermér has been Chief Engineer for the C30, V70 and XC70 body structures. Dr. Fermér received his Ph.D. degree in Solid Mechanics from Chalmers University of Technology in Gothenburg in 1993.



Dr. Udo Hänle is currently the manager of the Department for Body Concepts and Concept Design at BMW Body Development. Prior to this Dr. Hänle has been the manager of under-frame designs of all BMW vehicles. Beginning 1995 till 2000, he held engineering and management positions in NVH, Durability and Crash-Simulation. Dr. Hänle received his doctoral degree from the University of Stuttgart in 1995, in Aero-space Engineering, and his dissertation was on computational mechanics. Dr. Hänle has made several contributions in conferences and journal articles in simulation methods, body design strategies, body architecture, topology, and materials.

1:30 pm	Fully Integrated Automotive Body Development and Optimization - A Synthesis Approach Simon Xu, Technical Manager, <i>General Motors</i>
2:00 pm	Modularized Vehicle Tophat Structure Designed for Low Weight and Good Visibility Anders Sundin, PhD, Group Manager, <i>Semcon CARAN</i> Harald Hasselblad, PhD, Advanced Engineering Leader, <i>Volvo Cars</i>
2:30 pm	Case Studies of Recent Advances in Virtual Body Development Michael Hoffmann, PhD, Vice President European Operations, <i>Altair Engineering</i>
3:00 pm	Break
3:30 pm	Panel Bead Optimization, Methods and Applications Lothar Harzheim, PhD, Group Leader, Wolfram Lieven, Supervisor, <i>Opel</i>
4:00 pm	Morphing and Parametrization Technologies for rapid Vehicle Body Structure Design Simon Xu, Technical Manager, <i>General Motors</i> Karel Vlasak, <i>DEP-Autoline</i>
4:30 pm	TEC BENCH™ - Virtual Benchmarking: Comparing Products with CAE Methods Martin Müller-Bechtel, PhD, <i>Tecosim</i>
5:00 pm	Session Adjourned
6:00 pm	Reception at Exhibit Hall
7:30 pm	Adjournment

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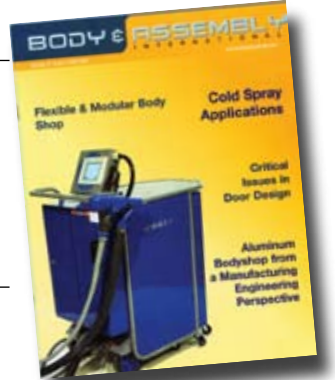
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Wednesday, June 11, 2008

Morning Session

BODY STRUCTURES COMPLEMENTING MATERIALS

8:30 am to 12:30 pm

Room: Monastere

Session Chairs **Marjolaine Doux, PhD, R & D Program Manager, ArcelorMittal**
Simon Xu, Program Manager, General Motors



Dr. Marjolaine Doux is head of the R&D multi-material solutions program at ArcelorMittal, developing new steel / polymer composites for the automotive market. After graduating and receiving an engineer's degree from France's Ecole polytechnique, she went on to receive a PhD in organometallics and quantum chemistry from her alma mater in 2005. She then joined the automotive applications research centre of ArcelorMittal.



Mr. Simon Xu chairs the GM Global Optimization Focus Group and is currently the technology manager for Global CAx Methods and Integration at General Motors Corporation. Prior to his currently position, he has worked in GM North America Vehicle Synthesis Analysis and Simulation Center, CAE analytical methods group, and Finite Element Center of Expertise. Most of his work is centered on early concept vehicle architecture development, topology, shape, gauge and material optimization and optimization methodology of vehicle structure for NVH, durability and crashworthiness performance as well as multidisciplinary optimization. He holds a number of patents and internal record of inventions in vehicle architecture development methodology and vehicle structure concept innovations.

8:30 am	Modern CAE Technique in the Development of Short Fiber- Reinforced Plastic Parts- BASF's Integrative Simulation Stefan Glaser, PhD, Andreas Wust, <i>BASF</i>
9:00 am	Potential of Boron Steels and Failure Modeling for Crash Horst Lanzerath, PhD, Technical Expert & Team Leader, Aleksandar Bach, Research Engineer, <i>Ford</i>
9:30 am	Hydroformed Car B-Pillar in Stainless Steel Gunnar Lassl, Technical Expert, Bernt Krantz, Advanced Engineer Leader, <i>Volvo Cars</i>
10:00 am	Front Bumper: Design Catalogue Approach with Advanced High Strength Steels Frédéric Hopp, Project Manager, Vincent Ballarin, Passive Safety Manager, <i>ArcelorMittal</i>
10:30 am	Break
11:00 am	Tailor Rolled Products - Innovative Light Weight Design for Automotive Body Structure and Chassis Michael Rehse, PhD, Global Product Development Director, <i>Mubea</i>
11:30 am	New Steel Materials for a Balanced Answer Maarten Kelder, Manager Automotive Business Development, <i>Corus Group</i>
12:00 pm	Body Design Catalogue Nicolas Schneider, Project Manager, <i>ArcelorMittal</i>
12:30 pm	Session Adjourned & Lunch

For the most up-to-date program information go to www.bodycongress.org

Wednesday, June 11, 2008

BODY MANUFACTURING - FORMING

8:30 am to 12:30 pm

Room: Tuinkamer

Session Chairs

Nico Langerak, Department Manager, Corus Group
Changqing Du, PhD, Senior Product Engineering Specialist, Chrysler



Mr. Nico Langerak graduated as an MSc in aerospace engineering at the Technical University Delft in the Netherlands. He joined Hoogovens/Corus in 1989 as an automotive customer support engineer. After various management positions in Corus R&D, he became head of the Corus Automotive Application Centre in the Netherlands in 2002. Nico is Secretary General of the International Deep Drawing Research Group, member of the Working Group Automotive of the European Steel Technology Platform and he is member of the Technical Group "Steel Products and Applications for Automobiles, Packaging and Home Appliances" of the European Commission. He is member of the supervisory boards of the Dutch Institute for Welding Technology, The European Federation of Sheet Metal Processing and of the council of the Federation Holland Automotive.



Dr. Changqing Du is currently the Manager of Theme Development, Stamping Technology, Advance Stamping Manufacturing Engineering, Chrysler LLC. Since 1994, he held Stamping Engineering Specialist and Senior Specialist positions in sheet metal stamping simulation and advance technology. Dr. Du received his doctoral degree in 1991, in Civil Structural Engineering, and his dissertation was focused on computational mechanics and thin plate structural dynamics. Dr. Du has made several contributions in conferences and journal articles in steel plate structures, sheet forming, simulation methods, optical measurement methods, and materials.

8:30 am	Simulation of Sheet Metal Forming - New Requirements and Tendencies Karl Roll, PhD, Manager, <i>Daimler</i>
9:00 am	Monobloc Bumper Systems - A New Innovative Design Concept in Presshardened Boron Steel Michael Tanskanen, Senior Product Development Engineer, Magnus Juntti, Manager, <i>GESTAMP</i>
9:30 am	Hot Stamping Process & Applications <i>William Bowes, Vice President, Cosma International</i>
10:00 am	Break
10:30 am	Weld Bonding of Advanced High Strength Steels - Influence on the Process, the Adhesives and the Performance of the Joints <i>Holger Thommes, Ortwin Hahn, University of Paderborn</i>
11:00 am	Mechanical Joining by Forming in the Body-in-White Structure – State of the Art Raimund Neugebauer, PhD, Professor & Director, Reinhard Mauermann, PhD, <i>Fraunhofer Institute for Machine Tools and Forming Technology (IWU)</i>
11:30 am	Joining Thin Sheet Metal Components with Special Thread Forming Fasteners Frank Hoffmeister, Ph.D, Managing Director, <i>Schrauben Betzer</i>
12:00 pm	Applications of Friction Stir Welding of Aluminum for Automotive Closure Panel Frank Hunt, Senior Researcher, Q. Yang, H. Badarinarayan, <i>Hitachi America, Ltd.</i> K. Okamoto, <i>Hitachi Ltd.</i> D. Zhou, <i>Chrysler</i>
12:30 pm	Session Adjourned / Lunch

For the most up-to-date program information go to www.bodycongress.org

Wednesday, June 11, 2008

BODY ADVANCED

1:30 pm to 5:30 pm

Afternoon Session

MANUFACTURING & PROCESSES

Room: Monastere

Session Chairs **Sumanjit Singh, PhD, Consultant, Audi (Emeritus)**
Mariana Forrest, PhD, President, LASAP



Dr. Sumanjit Singh studied Production engineering at Aachen University, finally getting a PhD in Welding. Responsible for joining technology at Audi R&D in Ingolstadt till retirement in 2000. Member of several national and international technical and scientific groups. Honorary evaluator in the field of joining technology for publicly funded research projects for over 15 years. After retirement free-lance consultant, advising commercial, educational and research institutions. During this period patents awarded for self-piercing rivets and Blind rivets.



Dr. Mariana Forrest is the founder and president of LASAP, Inc., a Michigan based engineering and manufacturing company, dedicated to accelerating the development and transfer of advanced production and manufacturing technologies. She has over 30 years of experience in the automotive industry, where she held various R&D, engineering and executive management positions. Dr. Forrest holds several patents, published extensively, and has taken leadership role in promoting and implementing the application of laser technology for Body-In-White processes. She represented DaimlerChrysler on various industry and university consortia related to advanced manufacturing technology and is a member of American Welding Society (AWS) and Laser Institute of America (LIA).

1:30 pm	Simulation of Spot Welds and Weld Seams of Press Hardened Steel (PHS) Assemblies Stanislaw Klimek, Simulation Engineer, <i>General Motors</i>
2:00 pm	Report on Industrial Experience with Simulation Software for Spot Welding Wenqi Zhang, PhD, <i>SWANTEC</i>
2:30 pm	TIG- and MIG/MAG welding Power Sources with Unique Properties – Current Production Applications Provide Proof Juergen Schaff, Sumanjit Singh, PhD, <i>Audi (Emeritus)</i>
3:00 pm	The CMT (Cold Metal Transfer) Process – Possibilities and Recent Developments Juergen Bruckner, Global Customer Manager, <i>Fornius</i>
3:30 pm	Break
4:00 pm	F-100iA Programmable Fixturing System for Flexible Bodyshop Automation Nigel Ramsden, <i>FANUC Robotics Europe S.A.</i>
4:30 pm	Investigation of Friction Spot Welding of AA6181-T4 alloy Tonilson de Souza Rosendo, Marco Antonio Durló Tier, PhD, Researcher, Cintia Cristiane Petry Mazzaferro, Jose Antonio Esmerio Mazzaferro, PhD, Researcher, Fabiano Dornelles Ramos, Matthias Beyer, Project Manager, Jorge Fernandes dos Santos, Head of the Solid State Joining Group, <i>GKSS Research Center</i> Jan-Timo Isakovic, R & D Engineer, <i>Riftec</i> Telmo Roberto Strohaecker, PhD, Professor, <i>Universidade Federal do Rio Grande do Sul</i>
5:00 pm	Tolerance-Tolerant - TT® - Form-Fitting - FF® - Blind Rivets and Lock Bolts - Test Results Sumanjit Singh, PhD, Consultant, <i>Audi (Emeritus)</i> Ziad Khalil, Peter Simon, <i>Light Metal Competence Centre Ranshofen</i>
5:30 pm	Session Adjourned

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