SCT 2011

Steels in Cars and Trucks
June 5 - 9, 2011, Salzburg, Austria
www.SCT2011.com

The host:
Steel Institute VDEh
Sohnstr. 65
40237 Düsseldorf
Germany
Tel.: +49 (0) 211 6707-0
Fax: +49 (0) 211 6707-310
info@stahl-zentrum.de
www.stahl-online.de

Conference secretariat and organisation:
TEMA Technologie Marketing AG
Conference Secretariat SCT 2011
Attn: Jutta Grawitter
Theaterstraße 74
52062 Aachen
Germany
Tel.: +49 (0) 241 88970-69
Fax: +49 (0) 241 88970-42
sct2011@tema.de
www.tema.de
## Program Structure

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>05.06.11</td>
<td>16:00-17:30</td>
<td>Early Registration</td>
</tr>
<tr>
<td>05.06.11</td>
<td>17:30-19:30</td>
<td>Get-together at Salzburg Congress</td>
</tr>
<tr>
<td>08:00-09:00</td>
<td>Registration</td>
<td>Mozart-Saal 1-3</td>
</tr>
<tr>
<td>09:00-10:30</td>
<td>Plenary Session</td>
<td>Mozart-Saal 1-3</td>
</tr>
<tr>
<td>11:15-12:30</td>
<td>Light weight solutions with flat products</td>
<td>Mozart-Saal 1-3</td>
</tr>
<tr>
<td>14:00-15:40</td>
<td>Press hardening I</td>
<td>Mozart-Saal 1-3</td>
</tr>
<tr>
<td>16:10-17:50</td>
<td>Press hardening II</td>
<td>Mozart-Saal 1-3</td>
</tr>
<tr>
<td>19:30-21:00</td>
<td>Chamber Concert and Reception at Residenz Salzburg</td>
<td></td>
</tr>
<tr>
<td>07.06.11</td>
<td>08:30-10:10</td>
<td>New high strength steels I</td>
</tr>
<tr>
<td>10:40-12:20</td>
<td>New high strength steels II</td>
<td>Collaboration of automotive and steel industry</td>
</tr>
<tr>
<td>12:30-23:00</td>
<td>Plant visit and Conference Dinner at voestalpine AG in Linz</td>
<td></td>
</tr>
<tr>
<td>08.06.11</td>
<td>08:30-10:10</td>
<td>Corrosion protection</td>
</tr>
<tr>
<td>10:40-12:20</td>
<td>Hydrogen embrittlement / Weldability</td>
<td>Modelling and Simulation I</td>
</tr>
<tr>
<td>14:00-15:40</td>
<td>Joining of flat products</td>
<td>Modelling and Simulation II</td>
</tr>
<tr>
<td>09.06.11</td>
<td>Plant visits</td>
<td></td>
</tr>
</tbody>
</table>
Ladies and Gentlemen,

‘Bringing the automotive, supplier and steel industries together’ is one of the two goals behind this year’s SCT 2011. This motto reinforces what the modern steel industry is all about: partnerships across value chains being made up of industry, research and development professionals.

The second motto of SCT 2011 is: Future trends in steel development, processing technologies and applications. The ability to steadily innovate one of the humankind’s earliest and most innovative materials for industrial use is reflected in the increasing amount of steel being consumed all over the world. Steel delivers a lot of solutions for solving such future global challenges as electro mobility or the preservation of material resources due to steel’s excellent possibilities for recycling.

This is reason enough to organize a congress and accompanying exhibition dedicated to the close relationship between the steel, supplier and automotive industries, for a third time. Following the exciting launch of the SCTs in 2005 and 2008, we are looking forward to another successful event in 2011.

Steels in Cars and Trucks 2011 (SCT 2011), which takes place from June 5 to 9, 2011, at Salzburg Congress, Austria, is your chance to initiate future milestones for innovation and to take away valuable information for your business.

I would already like to thank the sponsors and exhibitors, in particular voestalpine Stahl and ArcelorMittal for becoming exclusive Platinum Sponsors; Benteler and Stahl Judenburg for becoming Gold Sponsors; as well as other Item Sponsors and several exhibitors. Also, the speakers and the many event supporters throughout the world who are actively promoting SCT 2011 deserve my special thanks.

I hereby cordially invite you to be with us in Salzburg, to become actively involved as an exhibitor or sponsor, and as a guest to reactivate your contacts with experts all over the world and find new contacts and business partners.

I look forward to greeting you on June 5, 2011, in Salzburg, Austria.

Hans Jürgen Kerkhoff
Chairman Steel Institute VDEh
President German Steel Federation

Plenary Session
Chairman: Hans Jürgen Kerkhoff, Steel Institute VDEh, German Steel Federation, Germany

09:00 The steel industry – challenges and chances in a global market, Hans Jürgen Kerkhoff, Steel Institute VDEh, German Steel Federation, Germany

09:30 Volkswagen engineering – global production – local materials, Stephan Eisenberg, Volkswagen AG, Germany

10:00 Developments in Forging Technology – Answers to Changes and Challenges of the Automotive Industry, Hans-Willi Raedt, Hirschvogel Umformtechnik GmbH, Germany

10:30 Opening of the exhibition, Hans Jürgen Kerkhoff, Steel Institute VDEh, German Steel Federation, Germany

11:00 Press conference

Bringing the automotive, supplier and steel industry together.

Future trends in steel development, processing technologies and applications.
Mozart-Saal 1-3 | 11:15-15:40
Program: Monday, 06.06.11

FutureSteelVehicle leading edge innovation for steel body structures, Martin Peruzzi, voestalpine Stahl GmbH, Austria; Antoine Gaujat, ArcelorMittal, France; Marc Lambriks, Tata Steel Europe, The Netherlands; Oliver Hoffmann, ThyssenKruppSteel Europe, Germany; Jody R. Shaw, US Steel Corporation, USA

14:25 Production of load-adapted lightweight designs by partial hardening, Dieter Thomas, Thomas Tröster, Holger Block, University of Paderborn, Germany

15:15 Significant insights and innovative processes for process-sure press hardening of laser-welded seams in hotform blanks, Max Brandt, ThyssenKrupp Tailored Blanks GmbH, Germany

Chairman: N.N.

11:15 FutureSteelVehicle leading edge innovation for steel body structures, Martin Peruzzi, voestalpine Stahl GmbH, Austria; Antoine Gaujat, ArcelorMittal, France; Marc Lambriks, Tata Steel Europe, The Netherlands; Oliver Hoffmann, ThyssenKruppSteel Europe, Germany; Jody R. Shaw, US Steel Corporation, USA

12:05 Innovations for automotive light weight solutions – The steel aluminium hybrid blank, Enno Arenholz, Benteler Tube Management GmbH, Andreas Frehn, Benteler Automobiltechnik GmbH, Germany

Chairman: Ralf Juse, MAN Truck & Bus AG, Germany

11:40 Tubular steel components for light weight axle designs, Thomas Säuberlich, Benteler Tube Management GmbH, Andreas Frehn, Benteler Automobiltechnik GmbH, Germany

Use of higher-alloyed metallic materials and duplex steels for transport tanks of dangerous goods, Margit Weltscher, Ralph Bäßler, BAM Federal Institute for Materials Research and Testing, Germany

12:30 Lunch

Mozart-Saal 4-5 | 11:15-15:40
Program: Monday, 06.06.11

Innovative lightweight steel solutions for commercial vehicles, Helmut Mebus, Christa Heigelge-Hempowitz, Thorsten Böger, ThyssenKrupp Steel Europe AG, Germany; Erik Seelen, ThyssenKrupp Tailored Blanks GmbH, Germany

14:00 Current and future trends in the field of hotstamping of car body parts, Ralf Kolleck, Robert Veit, Institute Tools and Forming, Graz University of Technology, Austria

14:25 The HIPAT project for new semi finished products for the roll forming-tailor rolled dual phase steels, Andreas Wedemeier, Thomas Schulz, Salzgitter Mannesmann Forschung GmbH, Germany; Adrian Istrate, Wolser Profile GmbH, Germany; Jürgen Kötter, Benteler Tube Management GmbH, Germany; Michael Rethmeier, BAM Federal Institute for Materials Research and Testing, Germany


Chairman: Peter Janßen, ArcelorMittal Ruhrort GmbH, Germany

12:30 Lunch

Karajan-Saal | 11:15-15:40
Program: Monday, 06.06.11

Innovative steels for trucks

Chairman: Hans-Willi Raedt, Hirschvogel Umformtechnik GmbH, Germany

14:00 Current and future trends in the field of hotstamping of car body parts, Ralf Kolleck, Robert Veit, Institute Tools and Forming, Graz University of Technology, Austria

14:25 Development of a close-to-production prototype of an induction heating device for hotstamping of boron alloyed steels, Robert Veit, Ralf Kolleck, Christian Gasser, Gernot Wiffinger, Institute Tools and Forming, Graz University of Technology, Austria

Passive safety and tubes made of high strength steels – A symbiosis, Kenan Özdem, Benteler Tube Management GmbH, Germany; Michael Lueger, Benteler Tube Management, Switzerland

15:15 Influence coefficients of the production of steel bars on the further production processes of engineering steels, Sven Kunow, Frank Wilke, Deutsche Edelstahlwerke GmbH, Germany

Chairman: Hans-Willi Raedt, Hirschvogel Umformtechnik GmbH, Germany

12:30 Lunch

Karajan-Saal | 11:15-15:40
Program: Monday, 06.06.11

14:00 Current and future trends in the field of hotstamping of car body parts, Ralf Kolleck, Robert Veit, Institute Tools and Forming, Graz University of Technology, Austria

14:25 Development of a close-to-production prototype of an induction heating device for hotstamping of boron alloyed steels, Robert Veit, Ralf Kolleck, Christian Gasser, Gernot Wiffinger, Institute Tools and Forming, Graz University of Technology, Austria

Passive safety and tubes made of high strength steels – A symbiosis, Kenan Özdem, Benteler Tube Management GmbH, Germany; Michael Lueger, Benteler Tube Management, Switzerland

15:15 Influence coefficients of the production of steel bars on the further production processes of engineering steels, Sven Kunow, Frank Wilke, Deutsche Edelstahlwerke GmbH, Germany

Chairman: Hans-Willi Raedt, Hirschvogel Umformtechnik GmbH, Germany

12:30 Lunch
Mozart-Saal 1-3 | Press hardening II
Chairman: Marion Merklein, Lehrstuhl für Fertigungstechnologie, Germany
16:10 Influence of silicon on intermetallic phases formation in Al coating layer of HFP Steel, Bael Kaur, Nandu Alpalm, Yeungrang University, South Korea; Cho Yeol Rae, POSCO Technical Research Laboratory, South Korea
16:35 Development of heat resistant galvanized sheet steels for press hardening process, Byoungchul Seo, Yeol-Rae Cho, Sung-Ho Park, Wung-Yong Choo, POSCO, South Korea
17:00 Challenges and advantages in usage of zinc-coated, press-hardened components with tailored properties, Thomas Manenreiter, Thomas Kurr, Martin Rosner, voestalpine Stahl GmbH, Austria; Andreas Sommer, Dieter Hartmann, Reiner Kelsch, voestalpine Polynorm GmbH & Co KG, Germany; Gerald Brugger, voestalpine Europlatine GmbH, Austria
17:25 Properties and modelling of material behaviour of hot forming steels with special emphasis of increased strength levels compared to 22MnB5, Thomas Gerber, MagiZinc Auto, a new HDG coating designed for automotive applications, Nitte Van Landschoot, Vlot Margot, Tata Steel Strip Products Urmuiden, The Netherlands
19:30 Chamber Concert and Reception at Residenz Salzburg
07.06.11 Mozart-Saal 1-3 | New high strength steels I
Chairman: Albert Tönnessen, Ford-Werke GmbH, Germany
08:30 Development of cold rolled intercritically annealed multiphase TRIP steels with a tensile strength above 980 MPa, Donale Krizov, Andreas Pichler, Patrick Larour, Martin Gruber, voestalpine Stahl GmbH, Austria; Ekaterina Bocharova, Franc-Josef Lenz, Sascha Sikora, ThyssenKrupp Steel Europe AG, Germany
08:55 New advanced high strength rolled steels, Brigitte Hamme, Sarah Abraham, Thomas Helier, ThyssenKrupp Steel Europe, Germany; Yoshimasa Funakawa, Akio Kobayashi, Katsumi Nakajima, Hayato Saito, Kazuhiro Kato, Jeffrey Yokota, JFE, Japan
09:20 Fabrication of Load Optimized Truck Members with Variable Cross Sections by Flexible Roll Forming, Albert Sedlmair, Roland Hennig, André Abee, data M Sheet Metal Solutions GmbH, Germany
09:45 Testing of flat products, Jürgen Güttler, Daimler AG, Germany
10:15 Characterization of the transition area at partial hardened car body components by the 3-point bending test, Christian Hezler, Christine Kopp, Karl-Michael Badern, Bernd Griesbach, AUDI AG; Marion Merklein, Lehrstuhl für Fertigungstechnologie Universität Erlangen, Germany
10:45 Holistic approach for spotweld modelling in crashworthiness analysis, David Pironetti, Forschungsgeellschaft Kraftfahrwesen mbH Aachen, Germany; André Marx, Rolf Roettger, ThyssenKrupp Steel Europe AG, Germany
110:00 Alternative alloying concepts for heat-treatable engineering steels, Herbert Schiffer, Sabine Zeminger, Albin Jäffer, voestalpine Stahl Donawitz GmbH, Austria
11:15 Improvement working and utility properties of classical and new Mo alloyed carburizing steels, Frank Hippenstiel, RWTH Aachen University, Germany; Frank van Soest, Sven Kunow, Deutsche Edelstahlwerke GmbH, Germany
11:30 Modern steel design – Long products, Günter Roth, Saarstahl AG, Germany
11:45 B-alloyed quenched and temper steel components in the automobile industry, Christoph Keul, Linda Mosecker, Wolfgang Bleck, RWTH Aachen University, Germany; Tim Rekersdrees, Henning Schleipake, Georgsmarienhütte GmbH, Germany; Christoph Beyer, Hans-Wilfried Haefliger, Hirschvogel Umformtechnik GmbH, Germany
12:00 Modern steel design and heat treatment, Hans-Werner Zoch, Stiftung Institut für Werkstofftechnik, Germany
12:15 One piece flow-vacuum heat treating – Integration of case hardening into the manufacturing-line, Klaus Löser, Volker Heuer, ALD Vacuum Technologies GmbH, Germany
06 / 07.06.11 Mozart-Saal 4-5 | 08:30-09:45
Mozart-Saal 4-5 | ZnMg-Coatings
Chairman: Franz Michael Androisch, voestalpine Stahl GmbH, Austria
Zinc-magnesium coatings for automobile & trucks – A new dimension for corrosion protection, Alain Besseynias, Luc Diez, Christian Alley, ArcelorMittal, France
06 / 07.06.11 Karajan-Saal | 08:30-09:45
Karajan-Saal | Modern steel design and heat treatment
Chairman: Hans-Werner Zoch, Stiftung Institut für Werkstofftechnik, Germany
New developments in the material and process design for forged components in the automobile industry, Christoph Keul, Linda Mosecker, Wolfgang Bleck, RWTH Aachen University, Germany; Tim Rekersdrees, Henning Schleipake, Georgsmarienhütte GmbH, Germany; Christoph Beyer, Hans-Wilfried Haefliger, Hirschvogel Umformtechnik GmbH, Germany
Bainitic treatment and case hardening – Latest developments on heat treatment technologies, Matthias Steinbacher, Foundation Institute of Materials Science, Germany; Franz Hoffmann, Brigitte Clausen, EIT-Bringen, Germany
New approach for intermediate induction heating of preformed forging parts within a warm forming process chain, Martin Mach, Egbert Baake, Leibniz University of Hannover, Germany
Modern steel design and heat treatment – Long products, Günter Roth, Saarstahl AG, Germany
Improvement working and utility properties of classical and new Mo alloyed carburizing steels, Frank Hippenstiel, Buderus Edelstahl GmbH, Germany
B-alloyed quenched and temper steels – An option for classic CrMo- and CrNiMo-quenched and tempered steels, Sascha Riedner, Frank van Soest, Sven Kunow, Deutsche Edelstahlwerke GmbH, Germany
Alternative alloying concepts for heat-treatable engineering steels, Herbert Schiffer, Sabine Zeminger, Albin Jäffer, voestalpine Stahl Donawitz GmbH, Austria
Program: Tuesday 07.06.11
Mozart-Saal 1-3 | 09:45-12:20

10:10 Coffee/Tea Break in Exhibition
Mozart-Saal 1-3 | New high strength steels II
Chairman: Christian Hielsher, Benteler Automobiltechnik GmbH, Germany

10:40 N.N.

11:05 Hot rolled, hot-dip galvanized high-strength steel for automotive applications, Markus Sonnleitner, Helmut Spindler, Matthias Flueme, voestalpine Stahl GmbH, Austria; Alfred Seyr, voestalpine Kroms GmbH, Austria

11:30 Materials concepts for high strength and ultra high strength automotive applications, Andreas Peters, Benteler Tube Management GmbH, Germany

11:55 Innovative high and ultra high strength steel concepts for cold forming applications, Thomas Thulig, Dieter Krech, Gerald Zwickel, BILSTEIN GmbH & Co. KG, Germany; Ralf Kolleck, Steffen Raschka, Techm. Universität Graz, Austria

Program: Tuesday 07.06.11
Linz | 12:30-23:00

12:30 Departure from Salzburg Congress to voestalpine AG, Linz.
Lunch will be served at the bus.
The busses will be marked behind the windshield with their own color and letter.
You will find a program with the color and letter of one bus at the conference room. Please take the bus indicated on the program.
Depending on your bus, the order of the plant visit will vary, but all participants will receive the entire plant visit.

Schedule:
12:30 Departure from Salzburg / Lunch
14:00 Arrival at voestalpine Linz
14:15 Visit to voestalpine AG Stahlwelt
15:45 Coffee Break
16:30 Visit to voestalpine AG plant
18:30 Conference Dinner at voestalpine AG in Linz
23:00 Arrival at Salzburg Congress
An information point will be available at voestalpine AG.

Influence of manufacture-related imperfections on the fatigue behaviour of spot welded high strength steels, Stephan Bräuer, Michael Rethmeier, Gert Weber, Goul Holger, Lutz-Alexander Pepe, BAM Federal Institute for Materials Research and Testing, Germany

New air cooled steels with outstanding impact toughness, Hans Roelofs, Stephan Hasler, Swiss Steel AG, Switzerland; Mirkka Lembke, Steeltec AG, Switzerland; Francisca G. Caballero, CSIC-CENIM, Spain

Tuesday 07.06.11
Mozart-Saal 4-5 | 09:45-12:20

10:10 Coffee/Tea Break in Exhibition
Mozart-Saal 4-5 | Collaboration of automotive and steel industry
Chairman: Carsten Lachmann, Volkswagen AG, Germany

10:40 N.N.

11:05 Hot rolled, hot-dip galvanized high-strength steel for automotive applications, Markus Sonnleitner, Helmut Spindler, Matthias Flueme, voestalpine Stahl GmbH, Austria; Alfred Seyr, voestalpine Kroms GmbH, Austria

11:30 Materials concepts for high strength and ultra high strength automotive applications, Andreas Peters, Benteler Tube Management GmbH, Germany

11:55 Innovative high and ultra high strength steel concepts for cold forming applications, Thomas Thulig, Dieter Krech, Gerald Zwickel, BILSTEIN GmbH & Co. KG, Germany; Ralf Kolleck, Steffen Raschka, Techm. Universität Graz, Austria

Program: Tuesday 07.06.11
Karajan-Saal | 09:45-12:20

10:10 Coffee/Tea Break in Exhibition
Karajan-Saal | Improved properties for long products
Chairman: Frank Hippenstiel, Buderus Edelstahl GmbH, Germany

10:40 N.N.

11:05 Hot rolled, hot-dip galvanized high-strength steel for automotive applications, Markus Sonnleitner, Helmut Spindler, Matthias Flueme, voestalpine Stahl GmbH, Austria; Alfred Seyr, voestalpine Kroms GmbH, Austria

11:30 Materials concepts for high strength and ultra high strength automotive applications, Andreas Peters, Benteler Tube Management GmbH, Germany

11:55 Innovative high and ultra high strength steel concepts for cold forming applications, Thomas Thulig, Dieter Krech, Gerald Zwickel, BILSTEIN GmbH & Co. KG, Germany; Ralf Kolleck, Steffen Raschka, Techm. Universität Graz, Austria

New air cooled steels with outstanding impact toughness, Hans Roelofs, Stephan Hasler, Swiss Steel AG, Switzerland; Mirkka Lembke, Steeltec AG, Switzerland; Francisca G. Caballero, CSIC-CENIM, Spain
Program: Wednesday 08.06.11
Mozart-Saal 1-3 | 08:30-11:05

08:06.2011 | Mozart-Saal 1-3 | Corrosion protection
Chairman: Thomas Heller, ThyssenKrupp Steel Europe AG, Germany

08:30 Corrosion resistance of different metallic coatings on press-hardened steels for automotive, Laurence Dosdat, Jacques Petitjean, ArcelorMittal Maizières Research, France; Thomas Victoris, ArcelorMittal, Germany; Olivier Clauzeau, Bohr Technologies, France

08:55 New coatings for hot press forming, Maria Köyer, Patrick Kuhn, Jens Kondratiu, Manfred Meurer, Dortmund Oberflächenzentrum GmbH, Germany; Franz-Josef Lenze, ThyssenKrupp Steel Europe, Germany

09:20 Aspects of cosmetic corrosion performance of galvanized and coil-coated steel substrates for car body applications, Gerald Luckeneder, voestalpine Stahl GmbH, Austria

09:45 2nd generation corrosion protection primers – further advances in automotive corrosion prevention, Ingo Klüppel, ThyssenKrupp Dortmund Oberflächenzentrum GmbH, Germany; Karl-Heinz Stellinger, voestalpine Stahl GmbH, Austria; Stefanie Geisler, Steel Institute VDEh, Germany; Thorsten Reier, Salzgitter Mannesmann Forschung GmbH, Germany; Eric Jacqueson, ArcelorMittal, France

10:10 Coffee/Tea Break in Exhibition

08:06.2011 | Mozart-Saal 4-5 | Electromobility
Chairman: N.N.

Steel solutions for electromobility, Oliver Hoffmann, ThyssenKrupp AG, Germany

08:30 Electrical steel – Current and future applications of a challenging material in the automotive industry, Thomas Böhm, ThyssenKrupp Electrical Steel GmbH, Germany; Johann Müller, ThyssenKrupp Steel Europe AG, Germany; Norbert Brachtshäuser, C. D. Walzholz GmbH, Germany; Franz Dorminger, voestalpine Stahl GmbH, Austria; Stefanie Geisler, Steel Institute VDEh, Germany; Sigrid Jacobs, ArcelorMittal, Belgium; Andreas Jansen, Rolf Stiller, ArcelorMittal Eisenhüttenstadt GmbH, Germany

08:55 Requirements on Diesel Injection Tubes for Common-Rail-Systems, Karola Klenke, Benteler Tube Management GmbH, Germany

09:20 Injection Lines for Diesel engines – Simulation-based fatigue strength engineering, Steffen Zimmermann, Lais Bremer, Alfred Ostermann, Salzgitter Mannesmann Forschung GmbH, Germany; Uwe Lechtenfeld, Andreas Zaremba, Salzgitter Mannesmann Präzisrohr GmbH, Germany

09:45 Ultrafine-grained steels for high loaded engine components, Matthias Kuntz, Manfred Bacher-Höchst, Friedrich Mühleder, Robert Bosch GmbH, Germany; Shiro Torizuka, Yoshiyuki Furuya, National Institute of Materials Science, Tsukuba, Japan

10:10 Coffee/Tea Break in Exhibition

08:06.2011 | Karajan-Saal | Diesel-injection solutions
Chairman: Serosh J. Engineer, EZM Edelstahlzieherei Mark GmbH, Germany

Advanced high-strength TRIP-aided steels for ultra high pressure DI-Diesel engine common rail, Kohichi Sugimoto, Nobuo Yoshikawa, Shinshu University, Japan

08:30 Requirements on Diesel Injection Tubes for Common-Rail-Systems, Karola Klenke, Benteler Tube Management GmbH, Germany

08:55 Injection Lines for Diesel engines – Simulation-based fatigue strength engineering, Steffen Zimmermann, Lais Bremer, Alfred Ostermann, Salzgitter Mannesmann Forschung GmbH, Germany; Uwe Lechtenfeld, Andreas Zaremba, Salzgitter Mannesmann Präzisrohr GmbH, Germany

09:20 Injection Lines for Diesel engines – Simulation-based fatigue strength engineering, Steffen Zimmermann, Lais Bremer, Alfred Ostermann, Salzgitter Mannesmann Forschung GmbH, Germany; Uwe Lechtenfeld, Andreas Zaremba, Salzgitter Mannesmann Präzisrohr GmbH, Germany

09:45 Ultrafine-grained steels for high loaded engine components, Matthias Kuntz, Manfred Bacher-Höchst, Friedrich Mühleder, Robert Bosch GmbH, Germany; Shiro Torizuka, Yoshiyuki Furuya, National Institute of Materials Science, Tsukuba, Japan

10:10 Coffee/Tea Break in Exhibition
Wednesday 08.06.11
Mozart-Saal 4-5 | 11:05-15:40

11:05 Formability prediction of high strength steels for automotive applications, Junhe Lian, Sebastian Münstermann, Wolfgang Bleck, Institute of Ferrous Metallurgy, RWTH Aachen University, Germany

11:30 Modelling the strain rate dependence of flow curves by improved yield strength prediction, Kirsten Dahmen, Wolfgang Bleck, RWTH Aachen University, Germany; Birgit Reichert, Faurecia Autoositze GmbH, Germany

11:55 A method to determine the dynamic energy absorption by deformation for the automotive steels, Fang Jian, Zhou Yedong, Baosteel Research Institute, Baoshan Iron & Steel Co., Ltd., China

12:20 Lunch

13:05 Virtual material development: From semi-finished material to crash behaviour, Bianca Springub, Salzgitter Mannesmann Forschung GmbH, Germany; Alexander Butz, Fraunhofer-Institut für Werkstoffmechanik IWM, Germany; Markus Feucht, Karl Roll, Sebastian Lossau, Frieder Neukamm, Daimler AG, Germany; André Haufe, DYNAmore GmbH, Germany; Magusd Masimov, Salzgitter Mannesmann Forschung GmbH, Germany; Franz Roters, Max-Planck-Institut für Eisenforschung GmbH, Germany; Rolf Schwarz, Christoph Wagener, Kirchhoff Automotive GmbH, Germany

13:40 Relaxably processable steel for chassis components with high structural durability, Joachim Schöttler, Volker Flaxa, Salzgitter Mannesmann Forschung GmbH, Germany; Jürgen Guettler, Marcus Rieth, Christian Martin Erdmann, Daimler AG, Germany

14:25 Fatigue life estimation – a feature in virtual development of passenger cars, Franz Ruprechter, Gerhard Kepplinger, Michael Hofer, MAGNA STEYR Fahrzeugtechnik AG & Co KG, Austria

15:00 Ultra high strength steels produced by thermomechanical hot rolling – Advanced properties and applications, Martin Klein, voestalpine Stahl GmbH, Austria

15:30 Joinability of thin steel sheets with new zinc-alloy coatings, Robert Sierlinger, Sabine Ritsche, voestalpine Stahl, Austria

16:00 Numerical simulation of the stacking process of clinching fasteners, Miriam Toftall, Richard Bergner Verbindungstechnik GmbH & Co. KG, Germany; Marion Merklein, Raoul Plettke, Friedrich-Alexander-Universität Erlangen, Germany

16:30 Specialists for extreme purposes: Stainless steel for automotive construction, Evelin Rutte, Tobias Müller, ThyssenKrupp Nirosta GmbH, Germany
Corrosion testing for stainless steels in automotive exhaust systems, Cristina Hoffmann, Paul Gumpel, University of Applied Sciences Konstanz, Germany

Locally Influencing the Properties by Local deformation and Bake Hardening in Hot rolled Multi Phase Steels, Mehdi Asadi, TU Clausthal, Germany

In-situ characterization of the microstructure evolution in low-alloyed TRIP steels using high-energy X-ray diffraction, Enrique Jimenez-Melero, Delft University of Technology, The Netherlands

Efficient Welding Simulation of an Automotive Sheet Metal Assembly, William Perret, Federal Institute for Materials Research and Testing, Germany

In the next few days you will find our offer for Plant Visits here.
Participation Fees

The cost for attending as a participant in this extraordinary 3 day conference and exhibition and having the possibility to visit a company (charged extra) on the 09.06.11 is dependent upon your specific requirements.

All prices are plus Austrian VAT (20%). The conference fee includes the conference dinner and conference proceedings.

For detailed information please visit www.sct2011.de (Participation fees). Registration is only possible online.

Please look at: www.sct2011.de (Register now).

<table>
<thead>
<tr>
<th>3-days-card</th>
<th>1-day-card</th>
</tr>
</thead>
<tbody>
<tr>
<td>Participant</td>
<td>980,00</td>
</tr>
<tr>
<td>Speaker</td>
<td>460,00</td>
</tr>
<tr>
<td>Member of university 1)</td>
<td>460,00</td>
</tr>
<tr>
<td>as speaker</td>
<td>350,00</td>
</tr>
<tr>
<td>Student (with student id; age &lt; 25 years)</td>
<td>190,00</td>
</tr>
<tr>
<td>as speaker</td>
<td>120,00</td>
</tr>
</tbody>
</table>

Packages for Exhibitors/Sponsors

Exhibitors/Sponsors

Over 300 visitors (40% international) attended the second conference on Steels in Cars and Trucks (SCT 2008 – June 2008) which was organized by the Steel Institute VDEh and supported by the VDA, AWT and ASMET. The ratio of steel producers to representatives from the automotive/supplier industry was 50:50. The goal of initiating and further developing the network between steel producers, automobile manufacturers and automotive suppliers was successfully achieved.

Enthusiastic feedback praised in particular the scientific and economic oriented presentations given by the international speakers, the accompanying exhibition, the impressive location and the good organisation. Furthermore, the enjoyable Evening Event still today remains in the memories of many, which truly helped to strengthen networks formed at the conference.

The positive press coverage reflects the broad interest in the use of steels in the automotive industry. A comprehensive and wide reaching marketing campaign with flyers, first/second announcements, mailings, newsletters, website, flags and much more brought, and continues to convey, the SCT message to the target groups.

The SCT provides its exhibitors and sponsors with an attractive possibility to strengthen their networks between the automotive, supplier and steel industries.

For detailed information, please visit www.sct2011.de (Exhibitors/Sponsors)

The Venue

Salzburg Congress will be the location of SCT 2011. Salzburg, Austria, is situated in the north of the Alps. Salzburg means Mozart, Salzburg Festival and “Salzburger Nockerln” (traditional sweet dish). It is easy accessible by car (Highway Intersections A 1, A 8, A 10), train (Salzburg Main Station - ICE, Eurocity, Intercity and Interregio connections) and air (Salzburg Airport W. A. Mozart). Salzburg is very close to Munich with its international airport “Franz Josef Strauss”. An appealing venue and exquisite food will ensure an additional feeling of well-being for sponsors, exhibitors and visitors.

The Salzburg Congress was opened in June 2001. Designed to accommodate up to 2,500 guests, the congress centre is a real eye-catcher with features such as its generous glass and steel façade, spectacular interiors and views of the gardens of the historical Mirabell castle.
Address
Salzburg Congress | Auerspergstraße 6 | A-5020 Salzburg | Austria

Arrival and Hotels

Accommodation:
Together with our Hotel Partner (optiMICE), we have been able to secure special rates and cancellation terms for hotel rooms of various hotels in and the surrounding area of Salzburg.

The special offers are only eligible to persons, including spouse, attending the SCT2011 Conference in Salzburg.

All negotiated rates include breakfast and applicable taxes.

www.sct2011.com ➔ Hotel Reservation

Getting to the SCT 2011:

www.sct2011.com