

# Southern Automotive Manufacturing Conference & Exhibition Technical Session Schedule

As of 04/14/2002 08:02 pm

## Tuesday April, 9

### Managing Change - HR Processes that Impact the Bottom Line

**Session Code:** WF1

**Room 101A**

**Session Time:** 8:30 a.m.

HR Systems and processes can be a catalyst for high performance in an organizational culture or they can be a barrier to the ability to compete. Come see what one company has done to remove some of the traditional HR paradigms that can inhibit flexibility and associate ownership in the core business processes...seniority based promotion systems, labor grades, performance management. The "Squeeze on Automotive Suppliers" creates the need for rapid continuous change to achieve higher performance. Bosch manufacturing plants in Anderson, SC and Charleston, SC continue their quest for preparing their workforce and compete in an ever changing environment to improve the bottom line.

**Organizers** - Charlie Ackerman, Bosch Corp.

**Moderators** - Charlie Ackerman, Bosch Corp.

**Panelists** - Charlie Ackerman, Bosch Corp.; Debbie Croft, Roger S. Heitzeg, Vickie Middleton, Robert Bosch Corp.

## Tuesday April, 9

### Developing Leaders Within your Workforce

**Session Code:** WF2

**Room 101A**

**Session Time:** 10:30 a.m.

In today's global economy the development of formal and informal leaders is critical to the success for all businesses. The panelists will discuss and explain the framework in their organizations for: Developing Leaders, Development of Talent, Global Leadership, Management of Multiple Locations, International Management Responsibilities, Motivation and morale when opportunities for advancement do not exist and Managing motivation in flat organizations.

**Organizers** - Ferol B. Vernon, Siemens Diesel Systems Technology

**Moderators** - Glenda Thompson, Norton Group

**Panelists** - George Gratz, Siemens Diesel Systems Technology; Gary Mitchell, International Truck and Engine Corp.; Dodd Smith, Honeywell Corp. Metglas-Solutions

## Tuesday April, 9

### Success Through Educational Partnerships

**Session Code:** WF3

**Room 101A**

**3:45 p.m.**

This session will describe education partnerships between public schools, colleges and automotive manufacturing industries to enhance workforce skills.

**Session Title:**

**Organizers -** James Hudgins, South Carolina Technical College System

<b>Time</b>	<b>Paper No.</b>	<b>Title</b>
3:45 p.m.	ORAL ONLY	<b>Overview of Educational Model for Partnering with Industry</b> <i>James Hudgins, South Carolina Technical College System</i>
4:15 p.m.	ORAL ONLY	<b>Clemson Universities Automotive Engineering Manufacturing Emphasis</b> <i>Richard S. Figliola, E. Harry Law, Clemson Univ.</i>
4:45 p.m.	ORAL ONLY	<b>Partnership Through Apprenticeship</b> <i>Barbara Parker, Trident Technical College</i>

**Tuesday April, 9**

**Plant Floor Innovations**

**Session Code:** IT1

**Room 101B**

**Session Time:** 8:30 a.m.

This session will discuss the manufacturing innovations with respect to product concepts.

**Organizers -** Bernhard Eich, BMW Manufacturing Corp.

<b>Time</b>	<b>Paper No.</b>	<b>Title</b>
8:30 a.m.	2001-01-3706 ORAL ONLY	<b>The Future of Assembly</b> <i>Manfred Steinbauer, BMW AG</i>
9:00 a.m.	2001-01-3707 ORAL ONLY	<b>High Speed Robotic Measurements in Car Manufacturing</b> <i>Alfred Traidl, BMW AG</i>
9:30 a.m.	2001-01-3708 CANCELLED	<b>The Way to Modules</b> <i>Markus Zogg, Rieter Automotive Management</i>

**Tuesday April, 9**

**Converting Information to Knowledge**

**Session Code:** IT2

**Room 101B****Session Time: 10:30 a.m.**

This session will highlight tools and techniques that allow information to be used to make more intelligent decisions.

**Organizers -** Mark Rinker, Internet Operations Center Inc.

<b>Time</b>	<b>Paper No.</b>	<b>Title</b>
10:30 a.m.	2002-01-2260	<b>Web-Based Product Development at ArvinMeritor</b> <i>Joe A. Wilbanks, ArvinMeritor Inc.</i>
11:00 a.m.	ORAL ONLY	<b>Knowledge Management: Benchmarking the Strategies and Tools you Need to Build your Enterprise Information Portals</b> <i>Richard Medina, Doculabs Inc.</i>
11:30 a.m.	ORAL ONLY	<b>Exploiting the Intellectual Property within your Engineering Organization</b> <i>Mikhail Verbitsky, Invention Machine Corp.</i>

## Tuesday April, 9

**Energy Management****Session Code: IT3****Room 101B****Session Time: 3:45 p.m.**

Automotive manufacturing facilities are dependent on reliable, high quality electricity at an affordable price. Energy usage monitoring and efficient management practices can decrease operating expenses and increase profit margins. Attendees will learn the best ways of keeping their facility up and running in the most efficient manner possible.

**Organizers -** Dennis Carl Seeger, Detroit Edison Co.

<b>Time</b>	<b>Paper No.</b>	<b>Title</b>
3:45 p.m.	ORAL ONLY	<b>Power Quality and Reliability</b> <i>Jeffery Dougherty, Duke Energy Corp.</i>
4:30 p.m.	ORAL ONLY	<b>Eight Years Managing Energy Projects - Automotive Plants</b> <i>Saied Gouda, Detroit Edison Co.</i>

## Tuesday April, 9

**Executive Panel - Overcoming the Challenges Facing Automotive Manufacturers****Session Code: PAN1**

**Room 102A, 102B****Session Time: 1:45 p.m.**

The last decade's business strategy was to merge, consolidate and optimize synergies. Today, Automotive Manufacturers are striving to meet the continuously changing demands of the consumer. What lessons have we learned? What does flexibility really mean? How will on-line ordering affect the factory floor and Supply Chain? How do we develop a capable flexible workforce?

**Organizers -** Brenda M. Cox, Carl W. Flesher, Eckhard Hommrichhausen, BMW Manufacturing Corp.

**Moderators -** E. Mark Quinn, KPMG LLP

**Panelists -** John M. Grandin, Univ. of Rhode Island; John Paul Mac Duffie, Univ. of Pennsylvania; Don Stebbins, Lear Corp.; William C. Taylor, Mercedes-Benz US Intl. Inc.

**Tuesday April, 9****The Live, Hands-on, Lean Factory Model - Part 1 - Identifying your Manufacturing Problems****Session Code: LN1****Room 102C****Session Time: 8:30 a.m.**

The Live Lean Factory is a working model of a manufacturing facility that will enable participants to simulate manufacturing, assembly, and shipping operations using two common processes - Traditional Mass Production (Push), and Just-in-Time Manufacturing (Pull). The opening session will depict the typical mass production "push" plant. Exposing the flaws of the push system will serve as a segue into subsequent sessions.

**Organizers -** Richard Scimeca, Ghafari ESG L L C

**Moderators -** F Roy Piciacchia, Lockwood Greene Engineering Inc.

**Tuesday April, 9****Clemson University on Research in the Automotive Field****Session Code: MP6****Room 103****Session Time: 8:30 a.m.**

Research initiatives are producing cost-savings in automotive design and production like never before, and facilitating a focus on extremely specific market segments. The Clemson University Institute for Advanced Materials and Manufacturing gives a presentation of virtual-prototype models produced by the linkage of 90 CPUs. Clemson's Center for Motorsports Excellence demonstrates the impact of research on this industry and on NASCAR in particular.

**Organizers -** James Barnhill, South Carolina Dept. of Commerce; Henry E. Watson, Clemson Univ.

**Time****Paper No.****Title**

<b>8:30 a.m.</b>	<b>ORAL ONLY</b>	<b>Research Impact on Industry in Upstate South Carolina</b> <i>John Warner, Kemet Electronics Corp.</i>
<b>8:40 a.m.</b>	<b>ORAL ONLY</b>	<b>Implications of Virtual Wind Tunnel Research on Manifold and Engine Turbine Design</b> <i>James Leylek, Clemson Univ.</i>
<b>9:15 a.m.</b>	<b>ORAL ONLY</b>	<b>The Future of Research on Motor Sports</b> <i>George Fadel, Clemson Univ.</i>

## Tuesday April, 9

### Advanced Fabrication & Joining Technologies

**Session Code: MP2**

**Room 103**

**Session Time: 10:30 a.m.**

This session will present state-of-the-art joining and fabrication technologies that show significant potential in automotive industries.

**Organizers -** James F. Cuttino, Univ. of North Carolina Charlotte

<b>Time</b>	<b>Paper No.</b>	<b>Title</b>
<b>10:30 a.m.</b>	<b>2001-01-3709</b> <b>ORAL ONLY</b>	<b>Strategies for Improving the Cutting Performance of Machine Tools</b> <i>Scott Smith, Op Source Inc</i>
<b>11:00 a.m.</b>	<b>ORAL ONLY</b>	<b>The State-of-the-Art in Precision Hard Turning</b> <i>Matthew A. Davies, National Institute Standards &amp; Tech.</i>
<b>11:30 a.m.</b>	<b>ORAL ONLY</b>	<b>Friction Stir Welding in Automotive Applications</b> <i>Lawrence M. Dziadosz, Tower Automotive Inc.</i>

## Tuesday April, 9

### Paint

**Session Code: MP3**

**Room 103**

**Session Time: 3:45 p.m.**

This session will discuss BMW's Paint Department in Greer, SC utilizing a Micro-shift model to maximize utilization of facilities and achieve efficiency/process stability.

**Organizers -** Doug Bartow, BMW Manufacturing Corp.

<b>Time</b>	<b>Paper No.</b>	<b>Title</b>
3:45 p.m.	ORAL ONLY	<b>Full Utilization of an Automotive Paint Facility</b> <i>Doug Bartow, BMW Manufacturing Corp.</i>
3:45 p.m.	ORAL ONLY	<b>Piggable Paint Circulation Systems</b> <i>Dara Leadford, BMW Manufacturing Corp.</i>
4:45 p.m.	ORAL ONLY	<b>The Best Pump for Paint</b> <i>Tony Mazza, Mike Cunningham, Dave Murray, Waukesha Cherry Burrell</i>

## **Tuesday April, 9**

**Lean/6 Sigma**

**Session Code: LN2**

**Room 104A**

**Session Time: 10:30 a.m.**

This session will discuss the tools of Lean/6 Sigma and how to integrate them within an organization.

**Organizers -** Don Bernhardt, Lear Corp.

<b>Time</b>	<b>Paper No.</b>	<b>Title</b>
10:30 a.m.	ORAL ONLY	<b>How Lear Integrates Lean and Six Sigma</b> <i>Jeffrey J. Frelich, Don Bernhardt, Lear Corp.</i>

## **Tuesday April, 9**

**Rationalization & Justifying Lean**

**Session Code: LN3**

**Room 104A**

**Session Time: 3:45 p.m.**

This session will comprehend three elements crucial to justifying the undertaking of a lean enterprise transformation initiative: quality, financial and cultural.

**Organizers -** Jamie Flinchbaugh, Lean Learning Center; J. Robert Kelley, Ghafari ESG L L C

<b>Time</b>	<b>Paper No.</b>	<b>Title</b>
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<b>3:45 p.m.</b>	<b>ORAL ONLY</b>	<b>Enterprise Value Stream</b> <i>John E. Mantey, Visteon Chassis Systems</i>
<b>4:15 p.m.</b>	<b>ORAL ONLY</b>	<b>Rationalizing Lean Through an OpCentric&amp;trade; Approach</b> <i>J. Robert Kelley, Ghafari ESG L L C</i>
<b>4:45 p.m.</b>	<b>ORAL ONLY</b>	<b>Rationalizing Lean in Difficult Times</b> <i>John Smith, Ross Controls</i>

## Tuesday April, 9

### Minority & Small Business Development - Panel

**Session Code: SC1**

**Room 104B**

**Session Time: 8:30 a.m.**

This panel will share the importance of supplier diversity, what it means to their business and communities, why they initiated such a program and what the future holds. At the conclusion of this presentation, there will be an opportunity for Q&A with each member of the panel. Find out how your cooperation can gain a competitive edge.

**Organizers -** Lennie Beamon, BMW Manufacturing Corp.

**Panelists -** Hank Aaron, Hank Aaron BMW; Kirk J. Lewis, Bing-Lear Manufacturing Group; Martin Wardle, Michelin North America

## Tuesday April, 9

### Collaboration

**Session Code: SC2**

**Room 104B**

**Session Time: 10:30 a.m.**

Panel speakers will discuss best practices in the use of collaborative technologies and impacts on business processes, trading relationships and the benefits derived.

**Organizers -** Daniel F. Wecker, Cross Commerce

**Moderators -** Daniel F. Wecker, Cross Commerce

**Panelists -** Michael Campbell, Powerway; Carl Giosa, Perot Systems Corp.; Jim Kowalski, Manugistics Inc.; Kenneth Kratz, Powerway; Doug Maulbetsch, SAP Markets; Wes Shimanek, Intel Corp.; Christopher S. Williams, Ingenuus Inc.

## Tuesday April, 9

### Logistics

**Session Code: SC3**

**Room 104B****Session Time: 3:45 p.m.**

Logistics is an integral part of every manufacturing facility. This session will help attendees make intelligent decisions on the simplest and most cost effective ways of scheduling, shipping and movement of materials.

**Organizers -** Dale Albert Page, Bax Global

<b>Time</b>	<b>Paper No.</b>	<b>Title</b>
<b>3:45 p.m.</b>	<b>ORAL ONLY</b>	<b>The Dichotomy of Optimum Supply Chain Inventory Levels Versus Premium Transportation on International Procurement.</b> <i>Barry McNeil, Dale Albert Page, Bax Global</i>
<b>4:45 p.m.</b>	<b>ORAL ONLY</b>	<b>Supply Chain Improvement and the Factory</b> <i>Dale Brubaker, Operations Associates</i>

### Wednesday April, 10

#### Retaining your Workforce

**Session Code: WF4**

**Room 101A**
**Session Time: 8:30 a.m.**

This session describes how the economy has softened, but the war for talent is as hot as ever. Never before have organizations paid more attention to talent. Keeping it. Finding it. Developing it. Engaging it! With baby boomers leaving careers early, and a pending labor shortage of 10 million people by 2006, companies must move into action. Talent is no longer just a "numbers game"--it's about survival. The more competitive companies become, the more dependent they are on talent to lead them. They need the best talent to produce faster, smarter, and more profitably.

**Organizers -** Sky Foster, BMW Manufacturing Corp.

<b>Time</b>	<b>Paper No.</b>	<b>Title</b>
<b>8:30 a.m.</b>	<b>ORAL ONLY</b>	<b>How Winners Keep Winners</b> <i>Diane Thielholdt, Peat Lichen And Moss</i>

### Wednesday April, 10

#### Clean Air Act Update and Workable Solutions for Permitting Requirements

**Session Code: WF5**

**Room 101A**
**Session Time: 2:00 p.m.**

This session will be a panel discussion of current and proposed Clean Air Act requirements and their potential impact on industry. In addition, panelists will discuss ways for industry to secure permits in a timely manner.

**Organizers -** Heidi B. Grant, South Carolina Dept. of Commerce



**Moderators** - George Harben, South Carolina Dept. of Commerce

**Panelists** - Bernard F. Hawkins, Nelson Mullins Riley & Scarborough; Pat Walker, South Carolina Dept. of Health & Env Ctrl; Gary Weinreich, BMW Manufacturing Corp.

## Wednesday April, 10

**Plenary Panel - Build to Order, Challenges of Today & Tomorrow**

**Session Code: PAN2**

**Room 102A, 102B**

**Session Time: 10:30 a.m.**

Creating the ability to quickly respond to individual consumer orders with lower cost and less inventory presents a host of challenges for OEM's and their entire supply chains. This panel will explore these challenges from the perspectives of the OEM, and both Bulk & Sequenced Suppliers and discuss their ideas on overcoming these problems.

**Organizers** - Oliver Hazimeh, Robert W. Pethick, PRTM

**Moderators** - Robert W. Pethick, PRTM

**Panelists** - Reinhard Roehrl, BMW Manufacturing Corp.; Roy Vasher, Toyota Motor Manufacturing NA Inc.; Billy Williams, Lear Corp.; Richard Zehntner, DAA Draexlmaier Automotive of Amer LLC

## Wednesday April, 10

**The Live, Hands-on, Lean Factory Simulation - Part 2 - Implementing Solutions on the Factory Floor**

**Session Code: LN5**

**Room 102C**

**Session Time: 2:00 p.m.**

This session serves as the logical climax to the previous sessions in the Lean Implementation track. Once again the Live Lean Factory working model is run, this time illustrating a lean "pull" facility. Within the context of this demonstration, Just-in-Time manufacturing will be demonstrated. Seven key areas of lean and agile manufacturing improvements will be highlighted in the demonstration. These areas include: reducing cycle times, reducing work in process inventories, reducing total manufacturing cost, minimizing paper work on the factory floor, increasing productivity, reducing scrap and rework, and reducing material handling and storage.

**Organizers** - Richard Scimeca, Ghafari ESG L L C

**Moderators** - F Roy Piciacchia, Lockwood Greene Engineering Inc.

## Wednesday April, 10

**X5 and New 7 Series - Part I**

**Session Code: MP4**

**8:30 a.m.**

**Room 103**

**Session Time:**

Learn more about the technical features just hitting the production floor

**Organizers -** Eckhard Hommrichhausen, BMW Manufacturing Corp.

<b>Time</b>	<b>Paper No.</b>	<b>Title</b>
8:30 a.m.	ORAL ONLY	<b>The Capability of the X5-Platform: 4x4 Performance from 190 to more than 700 DIN-HP</b> <i>Eduard Walek, BMW AG</i>
9:00 a.m.	ORAL ONLY	<b>BMW X-5 Safety</b> <i>Martin B. Rapaport, BMW of North America LLC</i>
9:30 a.m.	ORAL ONLY	<b>The New 7 Series: The Intuitive User-Interface iDrive</b> <i>Michael Herrler, BMW AG</i>

### **Wednesday April, 10**

**Exciting BMW Highlights: The New 7 Series - Part II**

**Session Code: MP5**

**Room 103**

**Session Time: 2:00 p.m.**

Learn more about the technical features just hitting the production floor.

**Organizers -** Eckhard Hommrichhausen, BMW Manufacturing Corp.

<b>Time</b>	<b>Paper No.</b>	<b>Title</b>
2:00 p.m.	ORAL ONLY	<b>The New Way of Electrical Integration</b> <i>Axel Deicke, BMW Group</i>
2:30 p.m.	ORAL ONLY	<b>The New V8 Engine with VALVETRONIC</b> <i>Wolfgang Wukisiewitsch, BMW Group</i>
3:00 p.m.	ORAL ONLY	<b>The New Active Roll Stabilization of the New 7 Series from the BMW Group</b> <i>Michael Strassberger, BMW AG</i>

### **Wednesday April, 10**

**Making a Case for Lean**

**Session Code: LN4**

**Room 104A****Session Time: 8:30 a.m.**

LeanSigma utilizes six sigma tools and lean principles to reduce defects at the speed of Kaizen. It will help drive out variation in all processes along the value stream, from the front offices to the shop floor. Using kaizen interventions, LeanSigma black belt projects are finished in six weeks instead of six months. Fast results stimulate organizational buy-in and drive your culture change. Associates choose the right tool for the application to problem-solve more effectively. One integrated improvement program ensures one consistent message to all employees.

**Organizers -** David Rucker, TBM Consulting

<b>Time</b>	<b>Paper No.</b>	<b>Title</b>
<b>8:30 a.m.</b>	<b>2001-01-3710</b> <b>ORAL ONLY</b>	<b>Combining Lean and Six Sigma: The LeanSigma (sm) Improvement Process</b> <i>Bonnie Smith, TBM Consulting</i>
<b>9:15 a.m.</b>	<b>ORAL ONLY</b>	<b>LeanSigma at Michelin</b> <i>Tuan Nguyen, Kevin Hayes, Michelin North America</i>

**Wednesday April, 10****Are you Truly Ready for B2B Supply Chain Management?****Session Code: SC5****Room 104B****Session Time: 8:30 a.m.**

More companies restructure their business every day to be able to function in the era of electronic commerce. Many managers are struggling to develop a comprehensive strategy for success in this new market environment. The deluge of information about dot.coms, servers, online supplier and customer linkages, and B2B (business to business) requirements can be overwhelming. And automotive OEM's are increasingly asking their suppliers to be ready to do business on the web. What does this mean for you? In this session, we provide information that can help automotive suppliers understand: 1) how to re-structure business processes for the B2B environment, 2) new information technologies to help suppliers connect with automotive OEM's, and 3) the implications of the emerging hybrid "build to order" delivery model emerging in the automotive industry.

**Organizers -** Robert Handfield, North Carolina State Univ.

<b>Time</b>	<b>Paper No.</b>	<b>Title</b>
<b>8:30 a.m.</b>	<b>2001-01-3711</b>	<b>Are you Truly Ready for B2B Supply Chain Management</b> <i>Robert Handfield, North Carolina State Univ</i>
<b>8:50 a.m.</b>	<b>ORAL ONLY</b>	<b>Economic B2B Technologies for Automotive Suppliers</b> <i>Ted Ramstad, Essential Markets</i>

<b>9:10 a.m.</b>	<b>ORAL ONLY</b>	<b>Manufacturing Drives the Hybrid Delivery Model</b> <i>Darren Cooper, Manugistics Inc.</i>
<b>9:30 a.m.</b>	<b>ORAL ONLY</b>	<b>Accelerated Manufacturing - Blue Prints for Competitive Solutions</b> <i>Wes Shimanek, Intel Corp.</i>

### **Wednesday April, 10**

#### **CAX Technology and Supplier Collaboration with BMW**

**Session Code: SC4**

**Room 104B**

**Session Time: 2:00 p.m.**

Virtual vehicle building with CAx process technology at BMW makes geometric, functional and production safeguarding possible and is an important step towards improving product quality. The development and production of vehicles is unthinkable today without the collaboration of highly qualified suppliers and OEM's, and the integration of suppliers into the CAx process at BMW is a high priority.

**Organizers -** Robert W. McDaris, BMW Manufacturing Corp.

<b>Time</b>	<b>Paper No.</b>	<b>Title</b>
<b>2:00 p.m.</b>	<b>ORAL ONLY</b>	<b>CAX Technology and Supplier Collaboration with BMW</b> <i>John Thaiss, BMW Manufacturing Corp.;</i> <i>Wilhelm Kerschbaum, BMW AG</i>