



ASI 2009

Automotive SYMPOSIUM INDIA



February 4 – 5,
Taj President Hotel • Mumbai, India

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fuel saving engine technology



www.gamcinc.org

Conference & Expo Center

February 4 – 5, 2009

Taj President Hotel, Mumbai, India

Taj President

90, Cuffe Parade, Mumbai - 400 005, India

Email: president.mumbai@tajhotels.com

www.tajhotels.com

Registration

Hours

Wednesday, February 4 7:00 am to 4:00 pm

Thursday, February 5 7:30 am to 2:00 pm

Due to the limited space, you are strongly advised to register before January 7, 2009. This will reduce your registration fees and save time. If you register on or before January 7, 2009, please collect your registration materials (badge, proceedings, meal tickets and other materials) from the designated area marked "Advanced Registration".

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

Please collect registration from the designated area marked "Authors & Chairs" in the foyer of Taj President.

Message Center

The ASI 2009 Message Center is located in the registration area. Messages will be posted on the message board. Incoming messages for ASI 2009 will be received at (91-22) 6665 0808, and you are asked to check your messages during the registration hours. There are no public address systems.

Media Registration

Advanced Media Registration is required. Media representatives should go directly to the Advanced Registration Desk in the foyer of Hilton Berlin

Official Hotel

Taj President Hotel, Mumbai, India

90, Cuffe Parade, Mumbai - 400 005, India

Tel: (91-22) 6665 0808 • Fax: (91-22) 6665 0365

Email: tphgprpresv.bom@tajhotels.com

For phone reservations use the group code "ASI 2009" to receive the discount rate. For online reservations use the group code "ASI 2009"" to receive the discount rate. www.tajhotels.com

Last day to receive hotel discount is January 7, 2009.

Important Note

No solicitation/ distribution of any materials except by exhibitors. 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 GAMC without a courtesy permission.

Name badges must be worn at all times!

Although changes are not likely, ASI 2009 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.gamcinc.org

Attire

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

Cover Images Courtesy of GM, BorgWarner.

Conference and Exposition

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Sponsorship & Exposition Forms



Sponsor/Exhibitor

Company _____ Division _____
Contact Name _____ Title _____
Address _____ City _____
State/Province _____ Zip _____ Country _____
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Sponsorship Form

Sponsorship Amount (Minimum \$10,000) \$ _____

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GAMC, 166 South Industrial Saline, MI 48176

Sponsorship Details

Minimum Sponsorship \$10,000 U.S.

Sponsorship Includes

- One 3 m x 3 m Exhibit Space
- Two Conference Registration
- Company Name Printed on all ASI 2009 promotional materials; as well as Internet links on the GAMC Website: www.gamcinc.org, magazine Website, Powertrain International: www.powertrain-intl.com, Body&Assembly International: www.bodyandassembly.com
- 30% Discount on Ads Placed in both Powertrain International and Body&Assembly International Magazines

The Following Additional Sponsorship Opportunities are Available:

Conference Bags

1 Available - \$10,500

Lanyards

2 Available - \$7,500

Coffee Breaks

6 Available - \$7,000

Internet Pavilion

4 Available - \$6,000

Evening Reception

5 Available - \$5,000

Technical Program

4 Available - \$5,000

Registration Bag Inserts

6 Available - \$4,000

Exhibition Directory

\$2,500

Technical Group Refreshments

8 Available - \$1,000

General Refreshments

Unlimited - \$300

**For more information call or email the GAMC office at:
(734) 944-5850 or info@gamcinc.org**

Exhibit Space Contract

Exhibit Space Assignment Terms:

(Standard 3 m x 3 m booth: \$4,500 US, Table Top: \$3500 US)

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

1st Choice: _____

2nd Choice: _____

3rd Choice: _____

Floor plan on the web: www.gamcinc.org

Exhibitor agrees to enclose 50% along with this agreement.

Preferred Method of Contact: ☐ Phone ☐ Fax ☐ E-mail

Payment by fax:

Please fill out all forms and fax credit card information along with a printout of this page to GAMC at: (734) 944-5840

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Payment by check:

Make all checks payable to:
GAMC 166 South Industrial Saline, MI 48176

**For more information call the GAMC office at: (734) 944-5850
or email: info@gamcinc.org**

Exhibit Space

The minimum exhibit space is a 3 m x 3 m. Exhibit space can be configured to multiples of 3 m x 3 m to meet company specifications. Please call the GAMC office for details, Phone (734) 944 5850.

Rental Rate

\$4500 US per 3 m x 3 m (minimum)
\$3500 US Table Top

Rental Rate Includes

- Company ID sign
- Complete Exhibitor Service Manual
- Removal, storage and return of empty crates
- Two Conference Registrations per 3 m x 3 m booth
- Company logos in the Proceedings

Special Events

Special Event

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

Wednesday, February 4
3:00 pm to 5:00 pm

Morning Breaks

At Exhibits

Wednesday & Thursday – February 4 & 5
10:00 am to 10:30 am

Group Lunches

Wednesday & Thursday – February 4 & 5
12:30 pm to 1:30 pm

Afternoon Breaks

At Exhibits

Wednesday & Thursday – February 4 & 5
3:00 pm to 3:30 pm



Tentative Exhibit Hours

February 4: 10:00 am - 1:30 pm
3:00 pm - 5:00 pm
February 5: 10:00 am - 3:30 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 Committees.

For Membership Information Please Contact

Phone (734) 944-5850
Fax (734) 944-5840
Email info@gamcinc.org

Body and Powertrain Excellence Award



Body and Powertrain Excellence Award Entry Form

The Technical Program Committee of ASI 2009 will present two prizes to the best Body and Powertrain innovations. The areas of body and powertrain design, engineering, materials, manufacturing, processes, systems, components, hardware, software, testing and diagnostic systems 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: _____

Phone: _____

Fax: _____

Was this innovation submitted anywhere before? ☐ Yes ☐ No

Date: _____

Where? _____

Date Completed: _____

Date Commercialized: _____

Patented? ☐ Yes ☐ No Patent #: _____

The Body and Powertrain Excellence 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 ASI 2009 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

Submit entry to:

ASI 2009 Award Committee
166 South Industrial
Saline, Michigan 48176-9493, USA
Phone: 734-944-5850
Fax: 734-944-5840

Last Date for Submission: January 7, 2009

	Wednesday, February 4	Thursday, February 5
Registration	7:30 am to 4:00 pm	7:30 am to 2:00 pm
Morning Sessions 9:00 am - 12:45 pm	Global Trends in Automotive Vehicle Development Session Chair: Arun Jaura, PhD Group Chief Technical Officer (CTO) & Head of Innovations and Global Advanced Technologies (IGAT) <i>Mahindra & Mahindra</i>	Base Engine & Peripherals Session Chair: Thierry Seguelong, PhD General Manager <i>SB-Consultants</i>
		Vehicle Engineering Complementary Technologies Session Chair: Ravi Desai Director <i>General Motors</i>
Luncheons	12:45 pm to 1:30 pm	12:30 pm to 1:30 pm
Afternoon Sessions 1:30 pm - 5:30 pm	Body Design and Engineering Session Chair: Ravi Desai Director <i>General Motors</i>	Crash & Safety Session Chair: Ravi Desai Director <i>General Motors</i>
	Powertrain Engineering Session Chair: Kiran Vairagkar General Manager <i>Mahindra & Mahindra</i>	Engine Peripherals & Emission Technology Session Chair: Kiran Vairagkar General Manager <i>Mahindra & Mahindra</i>
Exhibits	Open 10:00 am - 1:30 pm 3:00 pm - 5:00 pm	Open 10:00 am to 3:30 pm Exhibit Teardown 3:30 pm to 6:00 pm
Special Events	Exhibit Hall Reception 3:00 pm - 5:00 pm	



Wednesday, February 4 Morning Session

9:00 am to 1:15 pm,
Room: President Ballroom

GLOBAL TRENDS IN AUTOMOTIVE VEHICLE DEVELOPMENT

Session Chair Arun Jaura, PhD

Group Chief Technical Officer (CTO) & Head of Innovations and Global Advanced Technologies (IGAT)
Mahindra & Mahindra



Dr. Arun Jaura is the Chief Technology Officer of the Mahindra Group and heads the Office of Innovation and Global Advanced Technologies in Mumbai, India. He was the Senior Vice President – R&D and Global Product Development in the Group's Automotive Sector for close to three years before taking up this role. As part of his new role, Dr. Jaura formulates and implements technology strategy for the Mahindra Group. This role also includes development of hybrid vehicles and hydrogen technology for Mahindra's Auto Sector. Prior to joining M&M, he worked for 10 years at Ford in Detroit. Prior to that, he was in DRDO in Chennai for about 10 years, working on battle tank and combat aircraft systems. Dr. Jaura completed his BE from NIT-Srinagar, M.Tech from IIT-Chennai and Ph.D from Concordia University, Montreal. In addition, he is the technical consultant to the USAID/ KEVA alliance on advanced propulsion and sustainable mobility in South East Asia. Dr. Jaura has 5 international patent and 37 publications to his credit.

9:00 am	Introduction & Opening Remarks Sheila Sarver, Vice President <i>General Motors</i>
9:15 am	"NOTE-Model" - D&D, Manufacturing for Model Change and Time Compression Seiji Tanaka, PhD, General Manager Girish Umrajkar, Section Manager <i>Nissan</i>
9:45 am	Globalization through Strategic Partnerships Craig Parsons, Executive Vice President <i>Noble International</i>
10:15 am	Break
10:45 am	Overview of the US Department of Energy's Vehicle Technologies Program Gurpreet Singh, Team Leader, Advanced Combustion Engine Technologies <i>US Department Of Energy</i>
11:15 am	Lightweight Wireless Train on Tires with a Virtual Railway System Jan Piet van der Meer, Vice President <i>NedStack Fuel Cell Technology BV</i>
11:45 am	Vehicle Body Architectures & Integration Ravi Desai, Director <i>General Motors</i>
12:15 pm	TRIAD of Government, Industry, Research & Development: An Imperative for Hybrid Vehicles Group CTO & IGAT <i>Mahindra & Mahindra</i>
12:45 pm	Q & A Panel Discussion
1:15 pm	Session Adjourned & Lunch

Technical Programs

Wednesday, February 4

Afternoon Session

1:30 pm to 5:00 pm

Room: President Ballroom North

BODY DESIGN AND ENGINEERING

Session Chair Ravi Desai

Director, *General Motors*



Mr. Ravi Desai, Director, Engineering at GM Technical Center, India has over 24 years of experience in the automotive industry. He holds a Bachelors degree in Mechanical engineering from IIT Chennai and a Masters degree in Mechanical Engineering from Wayne State University, USA.

Mr. Desai has led product design, test/development, validation and business planning teams at GM. He is the key member of the team that set up GM's Technical Center in India in 2003.

1:30 pm	Fully Integrated Automotive Body Development – A Synthesis Approach Simon Xu, Technical Manager <i>General Motors</i>
2:00 pm	CAE Led Body Structure Development Using Mesh Morphing Radha Krishnan, President <i>DEP Automotive</i> Simon Xu, Technical Manager <i>General Motors</i>
2:30 pm	A Faster Approach for Analysis Mounting of Cylinder: through PRO/MECHANICA Rajesh Joshi, Shantanu Prabhakar <i>Tata Motors</i>
3:00 pm	Break
3:30 pm	Virtual Design of Passenger Compartment for Safety and Comfort using FEA and CFD Approaches Ritesh Kumar Jain, Ashok Patidar <i>Mahindra & Mahindra</i>
4:00 pm	Performance Prediction of an Automotive Rear HVAC System using CFD approach A. Patidar, M. Pande <i>Mahindra & Mahindra</i>
4:30 pm	Q & A Panel Discussion
5:00 pm	Session Adjourned

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



Wednesday, February 4

Afternoon Session

1:30 pm to 5:30 pm

Room: President Ballroom Central

POWERTRAIN ENGINEERING

Session Chair **Kiran Vairagkar**

General Manager, *Mahindra & Mahindra*



Mr. Kiran Vairagkar is General Manager, R&D (Engines) at Mahindra & Mahindra's (M&M) Automotive Sector. His responsibilities include Engine design and development (New and Current engines) since 2006. Mr. Vairagkar has over 20 years of experience in areas of engine design, development, project execution and implementation. He has few key Engine developments project like mHawk to his credential. At present, Mr. Vairagkar is working on upcoming emission regulations, such as, Euro V, T2B5, in addition, to his responsibility of developing 2-Cylinder and 3-Cylinder versions from mHawk engine family. He has experience with global emission standards. Prior to joining M&M he worked with other OEMs in India and Indonesia. Mr. Vairagkar is Mechanical Engineering graduate and post-graduate degree in management. He is recipient of 'Engineering Achievement award from Institute of Engineers, Nashik Chapter, and has published and presented numerous papers in both domestic and international forum.

1:30 pm

Advances in Automotive Propulsion Technology for Fuel Economy & Performance

Vijaykanthan Damodaran, PhD, Engineering Group Manager
Anshuman Awasthi, PhD, Group Leader
Vinod Shigarkanthi, Senior Engineer
Sunil Nagatilak, Senior Engineer
General Motors

2:00 pm

Total Powertrain System Optimization

J S Rao, PhD, Chief Scientific Officer
Altair Engineering

2:30 pm

Comparative CAE Study for Driveline Elements with Pro/Mechanica & Nastran

Sachin Patil, Rajesh Joshi
Tata Motors

3:00 pm

Break

3:30 pm

Lifing of Automobile Structures and Drivetrains in Frequency Domain

J. S. Rao, PhD, Chief Scientific Officer
Narayan Rangarajan, Team Leader
Altair Engineering

4:00 pm

BorgWarner DualTronic® Transmission Concepts for Efficiency, Cost & Robustness

Alexander Moser, Lead Engineer
Viren Saxena, Paul McCrary
Borg-Warner

4:30 pm

Manufacturing of Transmission Hollow Parts from Seamless Tubing

Udayan Pathak, Assistant General Manager
Tata Motors

5:00 pm

Q & A Panel Discussion

5:30 pm

Session Adjourned

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

Technical Programs

Thursday, February 5

Morning Session

9:00 am to 12:30 pm

Room: President Ballroom Central

BASE ENGINE & PERIPHERALS

Session Chair Thierry Seguelong, PhD

General Manager, *SB-Consultants*



After the High "Physics and Chemistry" Engineering School of Bordeaux (France) in 1984, he got a Ph-D in Materials Sciences in 1989. He worked for 14 years with RHONE-POULENC / RHODIA in France in the field of Materials Sciences, Fuel Cells and Automotive Emissions Controls. In 2003, he moved to AAQIUS & AAQIUS, a start-up in business development and strategic markets in the field of Materials, Energy, Emissions Control, Specialties Chemicals, and Electronics, as Chief Executive Officer. In 2008, he created SB CONSULTANTS in consultancy area around "The Chemistry at the Bedside of the World". He has got many papers and patents in the field of Materials Sciences, Fuel Cells and Emissions Controls.

9:00 am	Optimization of Engine Performance Using Mixture Controlled Combustion (MCC) & DOE Techniques Vasudeo Halbe, Manager Dilunath Hareendranath, Deputy Manager Ghodke Pundlik, Deputy General Manager <i>Mahindra & Mahindra</i> Samarajith Mukharjee <i>IIT (Indian Institute Of Technology)</i>
9:30 am	Effect of Environmental Condition on Diesel Engine Performance N.Elayaraja Parag Daithanngar K. Nandhakumar <i>Mahindra & Mahindra</i>
10:00 am	Light Diesel - European Overview Thierry Seguelong, General Manager <i>SB-Consultants</i>
10:30 am	Break
11:00 am	2 – Inline VCR Engine with Part Load Optimized Bert Gooijer, Director <i>GOMESYS</i>
11:30 am	Design & Development of Valvetrain with Assembled Camshaft for an Inline 4- Stroke 4-Cylinder Diesel Engine Patil Abhijit, Sajan Abraham, Ghodke Pundlik, Yadav Vivek, Londhe Abhijit, Ponshe Shripadra <i>Mahindra & Mahindra</i>
12:00 pm	Q & A Panel Discussion
12:30 pm	Session Adjourned & Lunch

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



Thursday, February 5 Morning Session

9:00 am to 12:30 pm
Room: President Ballroom North

VEHICLE ENGINEERING COMPLEMENTING TECHNOLOGIES

Session Chair Shrinivas Sharangpani

Asst General Manager, *Tata Motors*



Mr. Shrinivas Sharangpani is currently heading Learning Centre department in Pune Tech Centre of TATA Motors Ltd. He is responsible for teardown and benchmarking activity, knowledge management and innovations in TATA Motors Ltd. He is with TATA Motors for 32 years and has worked in various capacities. Prior to TATA he worked in Bajaj Tempo Ltd. (now known as Force Motors Ltd) for over 3 years in heat treatment. Shrinivas received his Bachelor of Engineering degree from MS University of Baroda, India in 1972. He has made several contributions in value engineering, failure troubleshooting in automotive systems and components, product development and innovation.

8:30 am	GeniusMFI IQR - A New Inverter Power Supply with Adaptive Regulation System to Assure the Quality for Resistance Spot Welding Thomas Jansen, Jörg Eggers, Ralf Bothfeld, PhD, Nigel Scotchmer <i>Harms & Wende</i>	
9:00 am	Automotive Lightweighting - The R & D of The Freedom CAR Materials Program <div> <div>Joseph A. Carpenter, Jr., PhD <i>U.S. Department Of Energy</i></div> <div>Deborah Hopkins, PhD <i>Lawrence Berkely National Laboratory</i></div> <div>Edward Daniels, PhD <i>Argonne National Laboratory</i></div> <div>Philip Sklad, PhD, C. David Warren, PhD <i>Oak Ridge National Laboratory</i></div> <div>Roger Heimbuch, PhD <i>Auto/Steel Partnerships</i></div> <div>Mark Smith, PhD <i>Pacific Northwest National Laboratory</i></div> </div>	
9:30 am	Advanced Processes Towards Light Metal Development for Auto Applications V.Hariharan, Poorwa Bhagwat <i>Tata Motors</i>	
10:00 am	Latest Developments in Thermoplastic Body Panels Derek Buckmaster, Global Director <i>SABIC</i>	
10:30 am	Break	
11:00 am	Powder Metallurgy – A New Era Shende Deodatta, V. Hariharan <i>Tata Motors</i>	
11:30 am	Hydroforming for Automotive Applications Manish Gopal, V. Hariharan <i>Tata Motors</i>	
12:00 pm	Automotive Glass – Customer Expectations & Technology Trends G. Raghvendra, Asst. General Manager <i>Tata Motors</i>	
12:30 pm	Q & A Panel Discussion	
1:15 pm	Session Adjourned & Lunch	

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

Technical Programs

Thursday, February 5

Afternoon Session

1:30 pm to 4:30 pm

Room: President Ballroom North

CRASH & SAFETY

Session Chair Ravi Desai

Director, *General Motors*



Mr. Ravi Desai, Director, Engineering at GM Technical Center, India has over 24 years of experience in the automotive industry. He holds a Bachelors degree in Mechanical engineering from IIT Chennai and a Masters degree in Mechanical Engineering from Wayne State University, USA.

Mr. Desai has led product design, test/development, validation and business planning teams at GM. He is the key member of the team that set up GM's Technical Center in India in 2003.

1:30 pm

Strategy and Analysis of Automotive Body Structure Design to Meet Structural Requirements for Crash

Sairam Peddi, Senior Lead Engineer
Saleem Mohammed, Engineering Group Manager
Vikas Sharma, Engineering Group Manager
General Motors

2:00 pm

Rocker Design Strategy for FMVSS214 Oblique Pole Impact

Krishnan Subramaniam, Lead Engineer
Shivaprasad Gowda, Lead Engineer
Saleem Mohammed, Engineering Group Manager
General Motors

2:30 pm

Utilizing Statistical Analyses of Compliance Test Results to Define Market Trends in Headliner Countermeasure Applications Magnesium Applications in BIW

Myron Maurer, Development Leader R&D
Gavin Vogel, Development Specialist R&D
Kalyan Sehanobish, PhD, Senior Scientist
DOW

3:00 pm

Design of a Roll-Over Control System for On-Road MCV & HCV Using a Systematic System Engineering Approach

Manaswini Rath, Manager
Badari Kotejoshyer,
Sridhar Sai
Deenadayalan Karunakaran
Honeywell

3:30 pm

Gas Leak Detection System

S.D. Phulambikar
N.M. Nachnolkar
B.T. Ingale
Tata Motors

4:00 pm

Q & A Panel Discussion

4:30 pm

Session Adjourned

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



Thursday, February 5

Afternoon Session

1:30 pm to 5:30 pm

Room: President Ballroom Central

ENGINE PERIPHERALS & EMISSION TECHNOLOGY

Session Chair **Kiran Vairagkar**

General Manager, *Mahindra & Mahindra*



Mr. Kiran Vairagkar is General Manager, R&D (Engines) at Mahindra & Mahindra's (M&M) Automotive Sector. His responsibilities include Engine design and development (New and Current engines) since 2006. Mr. Vairagkar has over 20 years of experience in areas of engine design, development, project execution and implementation. He has few key Engine developments project like mHawk to his credential. At present, Mr. Vairagkar is working on upcoming emission regulations, such as, Euro V, T2B5, in addition, to his responsibility of developing 2-Cylinder and 3-Cylinder versions from mHawk engine family. He has experience with global emission standards. Prior to joining M&M he worked with other OEMs in India and Indonesia. Mr. Vairagkar is Mechanical Engineering graduate and post-graduate degree in management. He is recipient of 'Engineering Achievement award from Institute of Engineers, Nashik Chapter, and has published and presented numerous papers in both domestic and international forum.

1:30 pm

Design and Development of HLA Valvetrain for Push Rod Operated 4-stroke 4-Cylinder Diesel Engine

Imran Khan, Sivaraman, Sunish Rajan, Sajan Abraham, Pundlik Ghodke
Mahindra & Mahindra

2:00 pm

Optimization of breather system where challenge posed by Adaptation of Hydraulic Lash Adjuster

P.D.Kulkarni, Ravikant Gawhade, Borse Mahendra, R. Abhishek
Mahindra & Mahindra

2:30 pm

Non rotational Induction Heat Treating of Crankshafts and Camshafts using SHaP-C

Glen Desmier, Product Manager
Inductoheat

3:00 pm

Break

3:30 pm

The Latest Development of Fuel-Borne Catalysts & Added Value in the Automotive Industry

Laurent Rocher
Rhodia

Thierry Seguelong, PhD
SB-Consultants

4:00 pm

The Active DPF System for Stop-And- Go Duty Cycles - Advanced Developments in SiC DPF Developments & Thermal Managements

Jean-Claude Fayard
Exo-Clean Filtration Technology

François Garcia, PhD
Ceramiques Techniques & Industrielles

4:30 pm

Rapid Heat Up (RHU) Strategy for improving SCR System Performance

Rikin Joshi, C Vasudevan, V Suryanarayana, Patade Vishnu, Senthur Pandian, R Velusamy
Mahindra & Mahindra

5:00 pm

Q & A Panel Discussion

5:30 pm

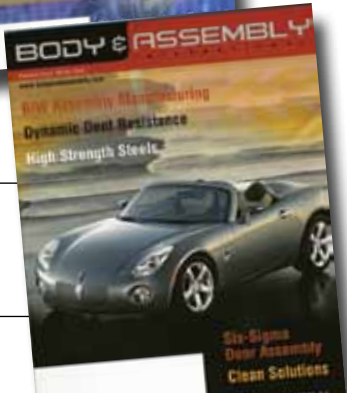
Session Adjourned

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

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Please fill out all forms and fax credit card information along with a printout of this page to GAMC at: (734) 944-5840

Payment by credit card:

Card Type: ☐ Visa ☐ Mastercard ☐ American Express

Card Number _____

Name on Card _____

Expiration _____

Signature _____

Order back issues online at
www.powertrain-intl.com
www.bodyandassembly.com

**Mail or fax registration information by
January 7, 2009 to:**

GAMC
166 South Industrial
Saline, Michigan, 48176, USA
Phone: (734) 944-5850, Fax: (734) 944-5840

Refund policy: No refunds after January 7, 2009.

There is a 45% service charge on cancellation(s) before
January 7, 2009.

Conference Registration Form



Please attach business card, fill out entire form and fax or mail it to GAMC

Name _____

Title _____

Company _____

Address _____

City _____

State/Province _____ Zip _____

Country _____

Phone _____ Fax _____

E-mail _____

Please indicate by an "x" in the appropriate blank box(es)

I will attend Reception on: ☐ February 4

I will attend conference(s) on: ☐ February 4 ☐ February 5

Fee schedule before January 7, 2009 - \$1450

Fee schedule after January 7, 2009 - \$1650

Registration fee includes access to sessions on both days of the conference; one copy of the proceeding of your choice, breaks, lunch(es), and access to the exposition.

Additional proceedings: ☐ \$628

Payment by check: (All checks must be drawn from U.S. banks in U.S. funds only)

Make all checks payable to: GAMC, 166 South Industrial, Saline, MI 48176, USA

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