

# GEAREXPO

The Worldwide Gear Industry Event



# 2007



# GEAR EXPO 2007

## The Worldwide Gear Industry Event

October 7–10, 2007  
Cobo Center • Detroit, Michigan

Owned & Produced by:  
**American Gear Manufacturers Association**

Supporting Organizations:  
**American Bearing Manufacturers Association**  
**Society of Manufacturing Engineers**

#### HERE'S WHY YOU CAN'T AFFORD TO MISS GEAR EXPO 2007

- The latest gear manufacturing machinery will be on display from Fassler, Gleason, Höfler, Kapp, Koepfer, Mitsubishi, Reishauer, Sigma Pool, Star-SU and many others.
- Find new sources for your gearing needs from the leading gear manufacturers around the world.
- Discover suppliers for all your manufacturing needs including: forgings, bearings, heat treating, inspection and more than 75 other product categories.
- Send your best technical experts to GEAR EXPO to see and hear about the newest in technologies and equipment.
- You can learn from the largest collection of gearing experts in the world, by taking part in free presentations from more than 20 exhibiting companies providing the latest technologies and processes to make your company more productive and profitable.
- Learn from educational seminars held by the American Bearing Manufacturers Association (ABMA), the American Gear Manufacturers Association (AGMA), and the Society of Manufacturing Engineers (SME).

#### Who Should Attend:

- Corporate Executives & Managers
- Design & Manufacturing Engineers
- Operations & Plant Managers
- Manufacturing & Production Personnel
- Purchasing Managers & Buying Teams
- Inspection & Quality Control Personnel

#### Where to Stay While at GEAR EXPO 2007

AGMA has arranged for blocks of sleeping rooms, at reduced rates, at three downtown hotels near Cobo Center specifically for GEAR EXPO 2007 participants. To make your room-reservations online, visit [www.gearexpo.com](http://www.gearexpo.com).

#### To receive these special GEAR EXPO 2007 rates, you must:

- Mention AGMA, American Gear Manufacturers Association, or GEAR EXPO 2007

- Use the phone or fax numbers provided
- Make your reservations by September 10, 2007

**Detroit Marriott Renaissance Center  
(GEAR EXPO 2007 Headquarters Hotel)**

Rate: \$164.00 Single/Double  
Renaissance Center  
Detroit, MI 48243 -1003  
Reservations: (313) 568-8000 or (800) 352-0831  
Guest Fax: (313) 568-8146

**Detroit Downtown Courtyard by Marriott**

Rate: \$154.00 Single/Double  
333 East Jefferson  
Detroit, MI 48226  
Reservations: (313) 222-7700 or (800) 321-2211  
Guest Fax: (313) 222-8517

**The Holiday Inn Express Hotel & Suites**

Rate: \$109.00 Single/Double  
1020 Washington Boulevard  
Detroit, MI 48226  
Reservations: (313) 877-7000 or (800) HOLIDAY (465-4329)  
Guest Fax: (313) 965-4307

**Getting to Detroit has Never Been Easier**

Detroit is a favorite locale for many trade shows, since it is less than 500 miles from 60% of the U.S.'s population. The city can be accessed through three major interstates, or through its Detroit Metropolitan Airport, which is the hub for Northwest Airlines and the 14th busiest airport in the world.



**Northwest Airlines is Offering Discounted Airfares for GEAR EXPO 2007 Travelers**

Northwest will get you there for less! As the official airline of GEAR EXPO 2007, you can receive discounts from Northwest or KLM Airlines on your round-trip airfare to Detroit. To receive your discount, call Northwest Meeting Reservations at 1-800-328-2111 and mention code NYUJ7. To book a discounted fare online, visit [www.gearexpo.com](http://www.gearexpo.com) for details.

**Discover the New Detroit**

Detroit has had a profound impact on the world – from the invention of the automobile to the Motown sound. The region is currently undergoing a renaissance with new developments and attractions. Downtown Detroit's development boom is unparalleled in the country. More than \$20 billion in new development is under way, including new hotels, new restaurants and new attractions. In fact, the city was recently named by AmericanStyle readers as one of the top 25 arts destinations in the nation. In addition to the arts and night life Detroit has to offer, four casinos located within five miles of each other offer nonstop gaming action: MGM Grand Casino, MotorCity Casino, Greektown Casino and Casino Windsor.

**Education Programs**

There are many reasons why you should attend GEAR EXPO 2007. In addition to the uniqueness of the Show, with its vast array of exhibitors involved specifically in

gearing, there will be a strong, gear-related education component with programs that will help you learn more about gearing.

AGMA has organized an enhanced series of meetings, training sessions and seminars of special interest to the gear industry. As a supplement to AGMA's education programs, two affiliated organizations will conduct seminars on current gear-related topics. Plus the "GEAR EXPO Solutions Center" will feature FREE presentations from more than 20 GEAR EXPO 2007 exhibiting companies.

**AGMA's Fall Technical Meeting**

*Presented by American Gear Manufacturers Association (AGMA)*  
Sunday, October 7 – Tuesday, October 9  
Fees: AGMA Members: \$525  
Nonmembers: \$795

AGMA's popular Fall Technical Meeting will present four information-packed sessions of over 20 technical presentations into three days – leaving you with plenty of time to also visit GEAR EXPO 2007. This year's sessions will focus on Manufacturing & Testing Gears; Hypoid & Bevel Application Design; Innovative Application Solutions; and Making Gears Work for Life.

For a complete schedule of the presentation topics and registration information, visit [www.agma.org](http://www.agma.org) or e-mail [tech@agma.org](mailto:tech@agma.org).

**AGMA Training School for Gear Manufacturing – Basic Course**

*Presented by American Gear Manufacturers Association (AGMA)*



Monday, October 8 – Wednesday  
October 10

Sessions: 8:00 a.m. to 12:00 noon each day

Fees: AGMA Members: \$395.00

Nonmembers: \$495.00

AGMA will hold the classroom portion of the "Basic Course" of the AGMA Training School for Gear Manufacturing. Presented by Ron Green of The Gear Consulting Group, this three half-day classroom course will include in-depth training in: standards nomenclature; gear involute geometry; inspection procedures and interpretation of results; manufacturing processes; hobbing, shaping and shaving; troubleshooting the gear manufacturing process; improvements in productivity and discussion of common problems.

For more information and to register, visit [www.agma.org](http://www.agma.org) or e-mail [fentress@agma.org](mailto:fentress@agma.org).

#### **Understanding Gear Metrology & Inspection**

Presented by: The Society of  
Manufacturing Engineers (SME)

Monday, October 8

Session: 8:00 a.m. – 2:00 p.m.

Fees: SME/AGMA member: \$395

Nonmember: \$445

Attend this program to gain a deeper understanding of the metrology and inspection issues unique to the gear manufacturing and processing industry. After attending this program you will walk away with a renewed interest, understanding and knowledge of how to improve your process, product and learn what is on the horizon for gear metrology.

Anyone involved in gear making will benefit from attending this program including those from gear cutting, set-up, engineering, management, metrology, and quality control. Participants consistently give this program outstanding evaluations for both the knowledge gained and the instructor.

For more information and to register for this event, please visit: [www.sme.org/gears](http://www.sme.org/gears)

#### **Why Bearings Fail**

Presented by: American Bearing  
Manufacturers Association (ABMA)

Monday, October 8

Session: 1:00 p.m. – 5:00 p.m.

Fee: \$295

This course is a basic primer for addressing the most common causes of bearing failures in gearboxes and related equipment. Understanding the causes of failures normally result in improved per-

formance of the equipment. The course provides both original equipment manufacturers and end-users valuable insights into bearing designs, features and proper bearing application.

The course is conducted by bearing engineers from ABMA member companies specializing in failure analysis. Instructors share pictorial examples and the course includes "hands on" failure demonstrations explaining common causes of bearing failures.

For more information and to register for this event, please visit: [www.abma-dc.org/events/gearexpoclass.html](http://www.abma-dc.org/events/gearexpoclass.html)

#### **Effective Heat Treating and Hardening of Gears**

Presented by: The Society of  
Manufacturing Engineers (SME)

Tuesday, October 9, 2007

Session: 8:00 a.m. – 2:00 p.m.

SME/AGMA member: \$395

Nonmember: \$445

Improve the effectiveness of your heat treating process by attending this program. You will hear from industry leaders on evaluating alternative heat treating methods, how to better control and monitor your process, controlling distortion and much more.

If you are involved in any aspect of heat treating processes, quality control issues in your company, material development or industrial operations, you won't want to

miss this program. Managers and supervisors who desire an update will equally benefit from attending this session.

For more information and to register for this event, please visit: [www.sme.org/gears](http://www.sme.org/gears)

#### **Advanced Gear Processing and Manufacturing**

Presented by: The Society of  
Manufacturing Engineers

Wednesday, October 10, 2007

Session: 8:00 a.m. – 2:00 p.m.

SME/AGMA member: \$395

Nonmember: \$445

Hear how others have used a variety of technologies and processes to improve quality and productivity. Hear from industry leaders regarding what has and hasn't worked. Discussion will include investigating chronic problems, factors that impact tool life and performance, and comparison of the latest technologies.

Any gear-manufacturing professional who wants to stay up-to-date, network with peers and become more knowledgeable in your field, should not miss this event. Gear designers, gear inspectors, project engineers, process control engineers, technicians and many other will walk away with information that can be used immediately in their own operations.

For more information and to register for this event, please visit: [www.sme.org/gears](http://www.sme.org/gears) □





# Advance Registration Form

Advance Registration Fee: \$25.00

Print clearly all information, in English, on the lines below. Use abbreviations only when necessary. One registrant per form. Forms may be duplicated as necessary. Return to: AGMA Registration, P.O. Box 3867, Fredrick, MD 21705-3867, USA. This form must be accompanied by a check payable to AGMA or credit card authorization for the Advance Registration Fee of (U.S.) \$25. You may also fax this form to (301) 694-5124. To register online, visit the GEAR EXPO 2007 website at [www.gearexpo.com](http://www.gearexpo.com). **ADVANCE REGISTRATION DEADLINE: SEPTEMBER 1, 2007**

First Name or Initials	M.I.	Last Name
Company	Division	
Title	Telephone Number (Include area code)	
E-mail Address	Fax Number (Include area code)	
Address		
City	State	ZIP Code
Country	Province	Postal Code

### 1. Company Profile

Please indicate which statement best describes your company:

- a.  My company makes gears
- b.  My company buys gears
- c.  My company supplies to the gear industry
- d.  None of the above

### 2. Primary Job Function

Which category best describes your job function? (check only one)

- a.  Owner/CEO/President
- b.  Other Executive Business Manager
- c.  Executive Engineering Manager
- d.  Manufacturing Engineer
- e.  Design Engineer
- f.  Engineering (Other)
- g.  Purchasing
- h.  Operations Management
- i.  Shop Floor Employee
- j.  Sales/Marketing
- k.  Inspection/Quality Control
- l.  Distributor
- m.  Consultant/Academician
- n.  Other \_\_\_\_\_

### 3. Purchasing Influence

Which of the following best describes your authority to purchase equipment, products and/or services? (check only one)

- a.  Final Say
- b.  Recommend
- c.  No Purchasing Influence

### 4. Industries Served

What are the primary industry sector(s) your company serves?

- a.  Aerospace
- b.  Agriculture
- c.  Automotive – powertrain
- d.  Automotive – other
- e.  Construction
- f.  Defense
- g.  Industrial
- h.  Marine
- i.  Mining
- j.  Pulp & Paper Mills
- k.  Other \_\_\_\_\_

### 5. Company's Primary Products

Which term(s) best describes your company's primary purpose?

- a.  Open Gearing Manufacturer
- b.  Gear Drive Manufacturer
- c.  Flexible Couplings Manufacturer
- d.  Plastic Gearing Manufacturer
- e.  Powder Metal Gearing Manufacturer
- f.  Service Provider
- g.  Original Equipment Manufacturer
- h.  Other \_\_\_\_\_

### PAYMENT METHOD

Advance Registration Fee: \$25.00

(full payment in U.S. funds must accompany this form.)

Credit Cards accepted:

- Visa     Mastercard     AmEx     Discover

Card Number: \_\_\_\_\_

Exp. Date: \_\_\_\_\_

Name on Card: \_\_\_\_\_

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