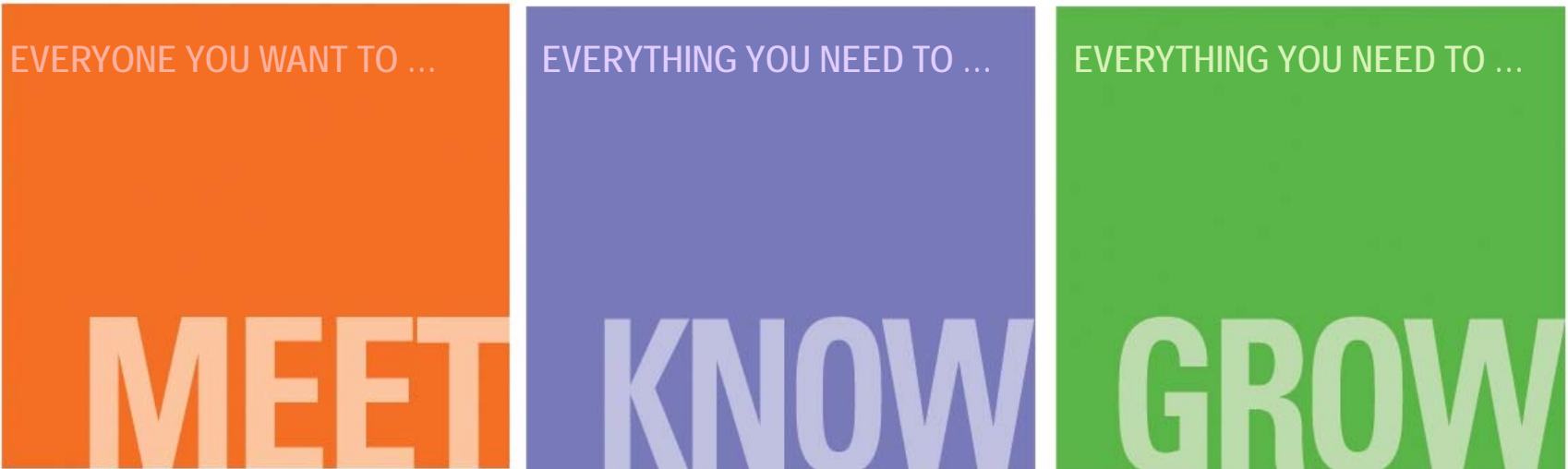


Presented to HTEC Conference
Lone Star College Houston, Texas

BENEFITS OF MEMBERSHIP

by
Wayne Mausbach P.E.
10/28/2011



YOUR



SOCIETY OF
MANUFACTURING
ENGINEERS

Where Manufacturing Comes Together



Labor Day Survey

By Deloitte and Manufacturing Institute

October 17, 2011

- **78% Think Manufacturing is Significant**
- **76% Indicate it is important to standard of living**
- **68% Believe it should be a National Priority**
- **55% Think Manufacturing long term weaker than today**
- **30% Would encourage child to pursue manufacturing careers ????????????**

This Week's Headlines

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 Singapore's economy 2nd USA falls to 4th

 Made in America bias

 Toyota Camry 100% made in USA

 China's labor will equal US by 2015

 Americans believe Manufacturing is key

 (64%, 67%, 66%)
Society of Manufacturing Engineers

Where Manufacturing Comes Together

- **Younger Generation More Knowledgeable**
- **Aware of Environment**
- **Robotics and Automation Being Viable Solutions to Labor Cost**
- **Technology Enables Small Manufacturers to Compete**
- **Focus on Manufacturing as Key**
- **Made in USA –Low Cost Manufacturers**

STRATEGIC PLAN 2012

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Our Mission – The mission of SME is to acquire and distribute manufacturing knowledge among its members and the broader manufacturing community

Our Vision – Recognized globally as the premier source for manufacturing knowledge, education and networking

- **Goal 1:** Knowledge – SME will be the premier manufacturing knowledge resource throughout the global manufacturing community.
- **Goal 2:** Education – SME and the SME Education Foundation will be known as advocates for careers in manufacturing and a leading resource for manufacturing education.
- **Goal 3:** Membership – SME will actively engage people and companies in their communities of interest to add value for the member.
- **Goal 4:** Brand – SME's brand creates the image of the most valued source of manufacturing knowledge.
- **Goal 5:** Lean and Effective – SME will be both lean and effective.
- **Goal 6:** Knowledge Delivery – SME will deliver knowledge in ways that meet the needs of members and customers.



Society of
Manufacturing
Engineers

Where Manufacturing Comes Together







OUR HISTORY

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THEN ...

-  Founded in 1932 with 33 members
-  Formed by a group of tool engineers and master mechanics
-  Mission: to collaborate on how to build the automobile
-  Originally named the Society of Tool Engineers
-  In 1933 renamed the American Society of Tool Engineers
-  Became the Society of Manufacturing Engineers in 1969



NOW ...

-  SME is the world's leading professional society supporting manufacturing education
-  SME members promote an increased awareness of manufacturing engineering
-  Keeps manufacturing professionals up to date on leading trends and technologies
-  Influences more than half a million manufacturing practitioners and executives annually
-  Members in more than 70 countries
-  Supported by a network of hundreds of technical communities and chapters worldwide
-  Members hail from diverse manufacturing industries



Society of
Manufacturing
Engineers

Where Manufacturing Comes Together

SME AT A GLANCE

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MEMBERSHIP: 23,000

ENGAGEMENT PLATFORMS: 181 chapters in North America 20 chapters outside of North America 200 student chapters at educational institutions worldwide Technical Community Network containing 57 Technical Work Groups

MEMBERSHIP PROFILE: Mfg/Production/Industrial/Electrical/Quality/Design Engineers ♦ Educators ♦ Technicians ♦ Supervisors/Operators ♦ Sales Professionals ♦ Supply Chain Mgmt ♦ Procurement/Purchasing ♦ Finance/Cost Estimating ♦ Educators

INDUSTRIAL PROFILE: Educational services ♦ Machinery ♦ Fabricated metal products ♦ Transportation ♦ Medical instruments, equipment & mfg ♦ Electrical/electronics equipment & mfg ♦ Engineering services ♦ Wholesale trade ♦ Aerospace ♦ Petroleum ♦ Plastics ♦ Chemical

TECHNICAL FOCUS: Assembly ♦ Automation ♦ Machining ♦ Material Removal ♦ Stamping ♦ Forging ♦ Casting ♦ Molding ♦ Composites ♦ Fabricating ♦ Prototyping ♦ Industrial Laser ♦ Metrology ♦ Nano-Manufacturing ... and many other manufacturing processes



Society of
Manufacturing
Engineers

Where Manufacturing Comes Together






SME AT A GLANCE

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We are the world's leading organization supporting the professional development and advancement of 'professions and vocations in manufacturing'

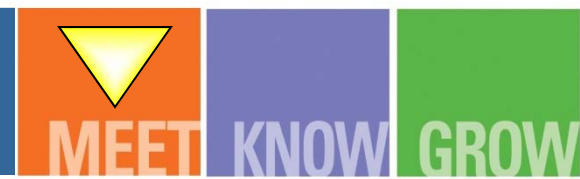
-  **Providing manufacturers with the knowledge and tools to compete globally**
-  **Building support and awareness of the contributions of manufacturing and manufacturing engineering**
-  **Leading the transformation of manufacturing education**
-  **Advancing professional skills and competencies of manufacturing engineers and team-leaders**
-  **Delivering value through networking and technical education opportunities for members and constituents.**



**Society of
Manufacturing
Engineers**

Where Manufacturing Comes Together

TECHNICAL COMMUNITY NETWORK









- A collaboration platform for PEOPLE, PROCESSES and IDEAS, designed to provide you with the most current information in your specialized manufacturing niche
 - Virtual and face-to-face meetings
 - Producing technical content for SME programs/events
 - Connect with peers and technical experts

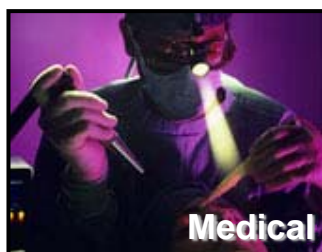


INDUSTRY INITIATIVES



Find out what people in the SME Industry Focus Areas are doing to connect with your peers and colleagues

-  Address crucial industry topics (i.e. Lean transformation, advanced materials and processes, and much more ...)
-  Connect with key manufacturers, suppliers, industry groups, and educators
-  Collaborate with technical experts, process and equipment suppliers, and other resources
-  Focus on creating technological advances and success within industries
-  Develop new learning opportunities
-  Dynamic events, strategic alliances, and informative publications



WEBINARS

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Welcome to SME's
WEBINAR CENTRAL



Webinars are live presentations, given by a technical leader, that you can take part in from your desk or conference room

-  Participate from your desk or conference room
-  All that is required is a phone and Internet connection
-  Webinars are archived for future viewing by members
-  A great way to distribute knowledge

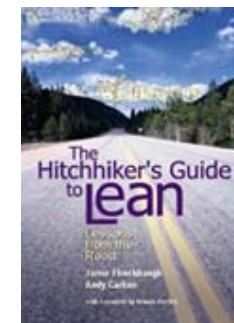
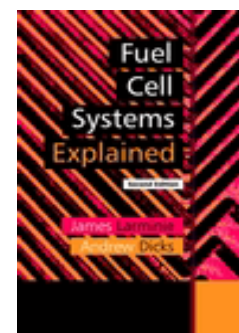
BOOKS, VIDEOS, DVDs, CD-ROMs

MEET

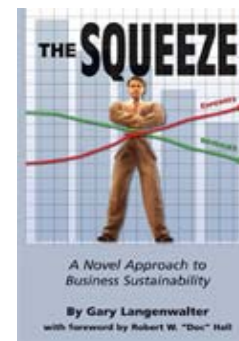
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- ◆ Discounts on an extensive line of publications and videos
- ◆ Fundamentals to leading-edge emerging technologies



FREE online video monthly on METV



Ask about Site Licensing of SME publications and videos for your company's online library

RESEARCH

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SME's "Ask the Librarian"





WOW Carol,

You did GREAT! This is exactly what I was looking for! I really appreciate your efforts to pull this all together. I can now take key points and build the presentation we discussed.

Thank you so very much.

*Dave Gastel
DEG Components
San Jose, CA*

Online Resources




-  Associations
-  Books
-  Calculation & Conversion Tools
-  Dictionaries, Encyclopedias, Almanacs
-  Directories
-  Industry Standards and Specifications
-  Linda Hall Library
-  Manufacturing & Engineering Resources
-  National Technical Information Services (NTIS)
-  Market Research
-  Salary Surveys
-  Software
-  Statistics
-  Government

Free with membership, the SME "Ask the Librarian" is a \$40,000 research database that is always at your fingertips




Non-members have access for a \$50 per question fee

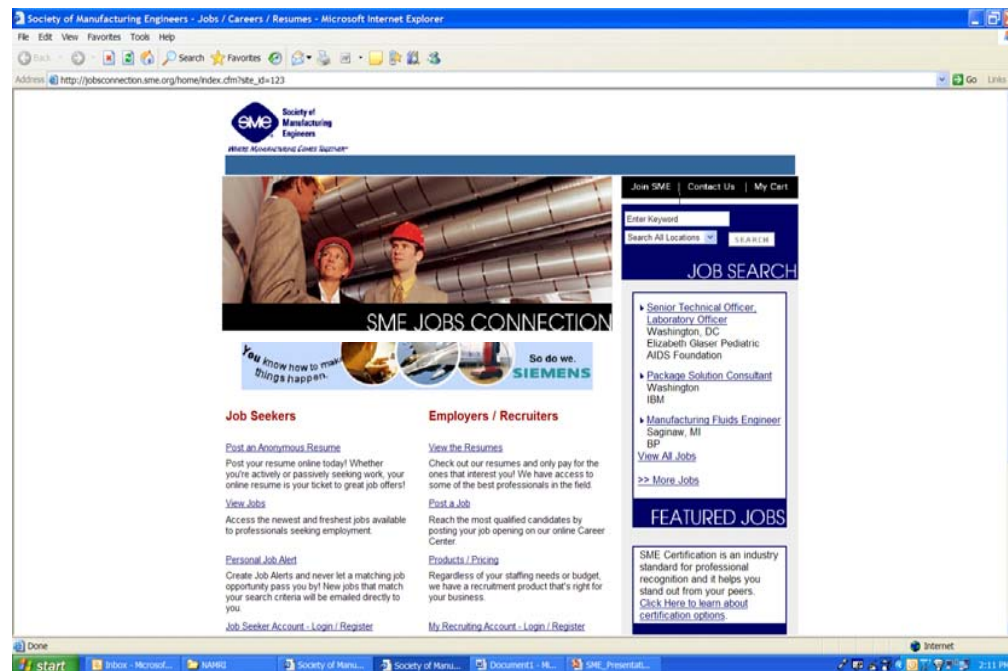
JOBS CONNECTION

MEET KNOW GROW

-  Employers search for highly qualified manufacturing professionals
-  Job seekers post anonymous resumes
-  SME members float to the top, especially those who are certified

ONLINE CAREER TOOLS






-  One-on-One Career Coaching
-  Ask the Career Expert
-  Links, Articles, and Resources



Couple Jobs Connection with “Ask the Librarian” for a winning combination.

As of April of 2009, the unemployed can renew their membership or join SME at the reduced rate of \$30 per six month period. Contact our Customer Care at ... 313.425.4500 ... and they will personally assist you.

SME-EF Supports ...

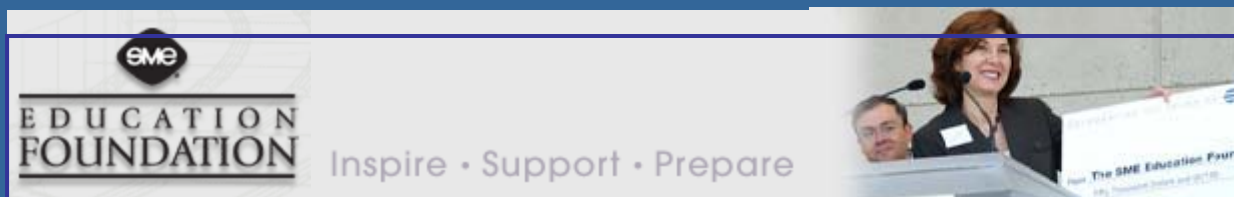
-  Building the Future Award
-  Gateway Academy (Science, Technology, Engineering, Math summer camp program)
-  Project Lead the Way®
-  Academy of Engineering
-  Goal: To support SME chapter programs
 - o National Engineers Week
 - o FIRST Robotics
 - o Lego League
 - o Project Lead the Way
 - o And many more

FAMILY SCHOLARSHIP FUND

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The SME Education Foundation seeks to support the children or grandchildren of SME members, and to encourage their pursuit of careers in manufacturing engineering and technology. This highly competitive scholarship, made possible by the E. Wayne Kay Scholarship Fund, will be awarded to students who demonstrate academic excellence and an interest in manufacturing engineering or related technology.

Three scholarships awarded annually. One is a four-year award valued at \$80,000.

Gene Haas



The Gene Haas Foundation Machining Technology Scholarship

-  Provides financial assistance for students interested in manufacturing-based careers.
-  These scholarships illustrate Haas' commitment to strengthening America's future workforce.
-  Specifically designated for students enrolled in coursework focused on machine operations and maintenance or a closely related field of study.
-  Awarded to high school graduates, undergraduates or persons who hold a GED certificate
-  One-year scholarships of \$1,000 to \$4,000.

**Only a life lived in the service to others
is worth living**

Albert Einstein