

Famous Quotes

Experience teaches only the teachable.

Aldous Huxley

Experience is the name everyone gives to their mistakes.

Oscar Wilde

Good judgment comes from experience, and experience comes from bad judgment.

Barry LePatner

Human beings, who are almost unique in having the ability to learn from the experience of others, are also remarkable for their apparent disinclination to do so.

Douglas Adams

Message from the Chair

Dear Members,

The ASME HP Early Career Fair was held on July 19th at the Westin in San Francisco. I consider it a success for a number of reasons:

- It was the first ECF that involved in-person attendees and was webcast across three time zones in conjunction with a major international ASME conference on Energy Sustainability.
- We walked the talk by involving early career engineers and students in the planning and execution of the event, which included activities such as obtaining sponsors, marketing, supporting the webinar, supporting registration, and leading panel sessions.
- Because of feedback from our attendees, we've identified areas of improvement in our professional development program which we will tackle this year, as well as an overwhelming need for additional topics on sustainable energy for professional development.
- In addition to students and early career engineers, those who were well into their career (> 10 years working) also submitted positive feedback that they benefitted from one or more sessions during the event.
- All in all, we are continuing to push the boundaries of what we can do and being challenged to do more with less. We are developing a strong team of volunteers who are working together to provide services to meet member needs. We are also developing a better understanding of our members needs and how to meet them in regards to the services we offer.

With a new year ahead of us and an energetic team, I am very excited about what this means for you as members. This brings to mind an expression that I heard from Scott Burr, our Professional Development Chair for District D when talking to a group on the benefits of volunteering with ASME. In essence, he said volunteering with ASME gives you an opportunity to stand shoulder-to-shoulder with giants. What did he mean by that? By volunteering to meet the needs of our membership, you have the opportunity to work side-by-side with those who are giants and leaders in their fields and to be regarded as equals. There develops a sense of camaraderie and teamwork that I have yet to experience elsewhere. So in addition to attending professional seminars or company tours this year, make it a point to come alongside and work with us to put on these events or even present at one as a distinguished speaker.

I personally extend an invitation to you to join us in making this another banner year for the Santa Clara Valley Section. Please feel free to share with us your thoughts for the coming year.

Best Regards,

Johann Tiamzon
Chair
tiamzonj2@asme.org

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Calendar of Local Engineering Events

Description	Date
PD Seminar: Systems Engineering (see page 3)	9/12/2009
IEEE Santa Clara Valley monthly events www.e-grid.net/	various
Monthly meeting of AIChE NorCal Section http://aiche-norcal.org/meetings.php	TBA

Want to add your event to our list?

Send your event information to Dave Bartz, newsletter editor:
dbartz@alzeta.com

MARK THIS DATE! October 24, 2009
ASME Professional Development
Geometric Dimensioning and Tolerancing Course
"ASME Y14.5-2009 (GD&T)–
What's New in the New Standard?"

This course will be taught by *Bryan Fischer*, a leading authority in GD&T and Principal of Advanced Dimensional Management, LLC

<http://www.advdm.com>

ADV/D[®]M Advanced Dimensional Management LLC

Message from SJSU Student Section

San Jose State University's ASME section is excited to begin this new year. We have a new focus: to increase professional involvement, integrate local community service, and initiate distant community service with the shared efforts of Engineers Without Borders.

Our first, informational meeting will be held on September 9, 2009 at 5:30 pm. It will be held in the Charles W. Davidson College of Engineering in the auditorium, room E189. All are welcome to attend.

We are looking forward to working closely with the Santa Clara Valley Section of ASME. This is going to be a great year!

For more information about the San Jose State University student section of ASME, please visit: www.engr.sjsu.edu/asme

Historic Feynman Physics Lectures Available Online:

<http://research.microsoft.com/apps/tools/tuva/index.html>

Requires Microsoft Silverlight to be installed

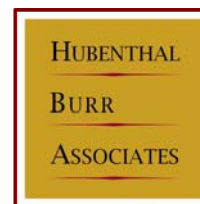
Santa Clara Valley Section Sponsors

SPACE SYSTEMS
LORAL



M3D Excellence in machine and plant design

BAE SYSTEMS



THANK YOU to our ASME SCVS Members that have generously made individual donations to their section.

These donations are substantial and important to our viable operation and to support your greater engineering community.

We appreciate your sponsorship!

Your Company Logo Here

Interested in sponsoring ASME SCVS?
 Please contact Johann Tiamzon
 (408) 480-6540
tiamzonj2@asme.org

ASME PROFESSIONAL DEVELOPMENT SEMINAR



"Systems Engineering – Process & Practice"

Dr. Mahantesh Hiremath, Principal Engineer, Space Systems Loral



Location: Santa Clara, CA

Saturday, September 12, 2009

9am – 4pm PDT

ASME or SVEC member: \$50 per person

Non-Member: \$89 per person

Student, Unemployed, or Retired Member: \$30

ATTEND IN-PERSON or BY WEBINAR

ABSTRACT

In today's competitive world, the success of a product depends on its performance, reliability, speed to market, and price. Electronics and components keep getting smaller, denser, and more complex. Given enough time and money, it would be possible to meet all of these goals by trial and error, fixing problems as they arise. In the real world, however, there's never that much time or money. Fixing problems is always more expensive than heading them off before they occur, and delays in getting a product to market can be costly beyond measure. There is a front-end design process that addresses these complexities and provides a safe, reliable methodology to get the product right the first time. Systems Engineering (SE) proves to be the key to develop the right requirements and specifications, to flow them to the component level, to design and build the systems or the products, and to test & verify their performance and to validate their usage to ultimately meet the system's mission.

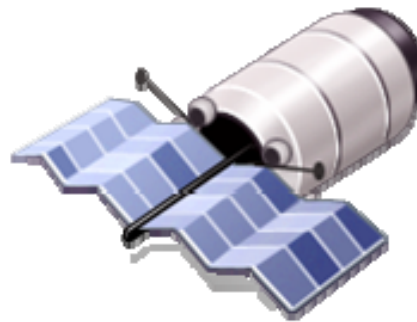
Dr. Mahantesh Hiremath has been a practicing Systems Engineering for over 16 years. He has extensive industry experience in spacecraft design/engineering/manufacturing and product development. He is currently working as Principal Engineer at Space Systems Loral, a full service satellite manufacturer, specializing in System Modeling and Testing.

PARTICIPANTS WILL RECEIVE:

- Web-link to an online Systems Engineering Resource

YOU WILL LEARN...

- Principles and application of Robust Design Optimization
- Define key terms in Systems Engineering (SE)
- The who, what, when, where, why and how of SE
- SE and the systems development life cycle
- The SE Process
- Tools and Methods to assist in implementing SE
- Some Case Studies related to SE
- Specific examples as applied to Spacecraft Engineering, Product Development, Bio-Medical Devices



WHO SHOULD ATTEND: Systems Engineers, Design Engineers, Mechanical Engineers, Electrical Engineers, Consultants, Manufacturing Engineers, New Product Introduction Engineers, Mechanical Engineering Supervisors, Unemployed Engineers and Technical Engineering Supervisors & Managers.

REGISTER & PAY NOW

- Acteva (Credit Card Service)
<http://www.acteva.com/go/asmescvs>
- Mail-in form with Check/Money Order - must be received on the day prior to seminar start

CONTACT REGISTRAR

- Email Registrar: sbelligundu@gmail.com
- Call Registrar, Sunil Belligundu
(408) 768-2391



Send payment to: ASME SCVS, P.O. Box 611865, San Jose, CA 95161-1865	
Payment must be received prior to the seminar and will not be accepted at the door.	
"Systems Engineering – Process & Practice"	
Name _____	Company _____
Address _____	Title _____
City _____	State _____ ZIP _____ Phone _____
Email _____	Engineering Society _____
<input type="checkbox"/> Attend in Person <input type="checkbox"/> Attend online	
I can provide proof of membership (Circle one) Yes No; <input type="checkbox"/> I eat vegetarian when it is provided	



On behalf of the ASME Design Engineering and Computers in Engineering Divisions, it is our great pleasure to invite you to attend and contribute to the **ASME 2009 International Design Engineering Technical Conferences (IDETC) & Computers and Information in Engineering Conference (CIE)** which will take place August 30 - September 2, 2009, at the San Diego Convention Center in conjunction with the Omni San Diego Hotel. San Diego is easily accessible from anywhere in the world and provides a near ideal combination of outstanding meeting facilities, beaches, beautiful California weather, and world famous attractions.

The conferences will also include plenary sessions, keynote lectures, and tutorials on different topics related to engineering design.

For more information and to register, visit:
<http://www.asmeconferences.org/idetc09/>

ASME Y14.5 - 2009 Now Available

ASME has announced that its Geometric Dimensioning and Tolerancing (GD&T) standard, *ASME Y14.5 – 2009*, has been revised and is now available for purchase.

The *ASME Y14.5 – 2009* standard, an essential communications tool for top engineers worldwide, has undergone its first revision in more than 15 years. It includes important changes that better suit the needs of the 21st century engineer. Changes that address the concept of feature design, surface boundaries and axis methods of interpretation are included among others.

The revised standard is now available for purchase on ASME's online catalog. The site also offers discounts on related GD&T standards, personnel certification, handbooks and training courses to aid engineers in understanding the language of GD&T.

For more information on ASME Y14.5, visit:
<http://go.asme.org/gdt>.

Climate Change and Alternative Energy to Be Explored at Congress

Four technical tracks at the 2009 ASME International Mechanical Engineering Congress and Exposition, which will be held in Florida in November, will highlight engineering-based approaches to clean energy and environmental sustainability.

The tracks — titled “Emerging Technologies in Structural and Material Aspects of Alternative Energy Systems,” “Energy Systems: Analysis, Thermodynamics and Sustainability,” “Engineering to Address Climate Change” and “Sustainable Products and Processes” — will feature presentations on wind power, hydrogen storage, carbon dioxide capture, fuel cells and other technologies that are the focus of heightened interest in the global push for environmentally safe energy production.

In addition to these four, there are 16 other tracks that will complete the multidisciplinary technical program for the **2009 ASME Congress, set for Nov. 13-19 at the Walt Disney World Swan and Dolphin in Lake Buena Vista, Fla.**

The four energy tracks at the 2009 ASME Congress reflect the Society's commitment to advance the dialogue on all aspects of clean energy production and utilization. Energy is a strategic objective of ASME, which recently developed the Energy Grand Challenge initiative to foster collaboration and information exchange in the field.

Speakers for the “Engineering to Address Climate Change” track will present papers on CO₂ capture, low-carbon energy production, bio-fuel combustion, and other methodologies to reduce greenhouse gas emissions. Other papers will address advanced materials for energy production and novel approaches to improving energy efficiency in buildings.

In all, the 2009 ASME International Mechanical Engineering Congress will feature nearly 350 technical sessions. The Society's largest technical conference, the Congress will bring together engineers, scientists and other professionals from around the world.

For more information on the ASME International Mechanical Engineering Congress and Exposition, visit
<http://www.asmeconferences.org/congress09>.



September 14 – 17, 2009
George R. Brown Convention Center
Houston, TX USA

The ASME Gas Turbine Users Symposium (GTUS) is once again proudly partnering with the Texas A&M Turbomachinery Symposium which together provide a complete program under one roof for both the driver and driven equipment, said David Mucz, GTUS Chair. "With the current challenges we all face in this tough economy, this forum represents a practical and interactive opportunity to share your experiences and challenges with your fellow gas turbine users, manufacturers and consultants and I am sure will provide years of ongoing value. "

Topics this year will provide the user with information related to **gas turbine operations, maintenance, advances and design** through a scheduled program of panel, tutorial, case study and round table sessions.

Symposium Highlights:

A **three-part tutorial** on *Introduction to Gas Turbines* will provide a comprehensive overview in the function, performance characteristics, and in particular, the typical operational issues for industrial gas turbines.

Registration and additional information can be found at:
<http://www.asmeconferences.org/GTUS09/index.cfm>



The ASME 2009 Conference on Smart Materials, Adaptive Structures and Intelligent Systems will be held September 21-23,2009 at the beautiful oceanfront Embassy Suites Mandalay Beach Resort in Oxnard, California. This conference provides a casual setting for formal and informal interactions between a broad range of experts in diverse fields.

Adaptive Structures and Materials Systems by definition are intelligent, flexible systems that have sentience and responsiveness to ever changing environments. The field has rapidly matured due to synergistic interdisciplinary efforts across sectors of universities, government and industry. To continue the high impact growth of this field and lead it into the future, the purpose of this conference is to assemble world experts across engineering and scientific disciplines (mechanical, aerospace, electrical, materials, and civil engineering, biology, physics chemistry, etc) to actively discuss the latest breakthroughs in smart materials, the cutting edge in adaptive structure applications and the recent advances in both new device technologies and basic engineering research exploration.

The conference website is:
<http://www.asmeconferences.org/smasis09/>

Capitol Update



ASME Capitol Update is a weekly electronic newsletter focused on legislative and regulatory news of interest to the engineering community. It is a free service to ASME members, providing valuable insight on the latest public policy developments from Capitol Hill on key issues such as energy, research and development, education, environment, standards, and other issues.

This is just one of many resources and exclusive benefits available with your ASME membership. Explore the Members Only section of the ASME website at <https://my.asme.org/> to connect with other mechanical engineers, manage your member account, and access your benefits.

ASME-SCVS PROFESSIONAL DEVELOPMENT EVENTS

Past and Upcoming Seminars

Date	Topic	Guest Speakers	Organization
Sept 12, 2009	Systems Engineering – Process and Practice	Mahantesh Hiremath	Space Systems Loral
Oct 24, 2009	ASME Y14.5-2009 (GD&T) What's New in the New Standard?	Bryan Fischer	Advanced Dimensional Management, LLC
Nov 7, 2009	FEA & CFD Simulations in Solar Industry	Metin Ozen	Ozen Engineering
Dec 5, 2009	How to Pass the Fundamentals of Engineering/EIT Exam	Shariar Jahanian	EITEXPERTS

Contact your Santa Clara Valley Section

We want to hear from you. Please, send an e-mail to any of the Board Members below.

Chair: Johann Tiamzon
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Tel (408)689-0888

Section Vice-Chair: Amip Shah
E-mail: shaha5@asme.org

Treasurer: Ying F. Pang
Email: panqy1@asme.org

Secretary: Piyush Savalia
E-mail: savaliap2@asme.org

MONTHLY MEETINGS

(2nd non-holiday Thursday of the Month)

Expand your professional network. Join us at our regular Membership/Business Monthly Meetings

Mark Your Calendar

When: 7:00PM, September 10th, 2009

Location: Virtual Meeting, held online

Contact: Piyush Savalia (savaliap2@asme.org)

Santa Clara Valley Section Website: <http://www.sections.asme.org/scvs>

SPONSORSHIP OPPORTUNITIES

Find out how *becoming a sponsor* to the ASME *can enhance your visibility and reputation* with Engineers and Business Professionals across the Pacific Northwest.

Contact Scott Burr, burrs@asme.org