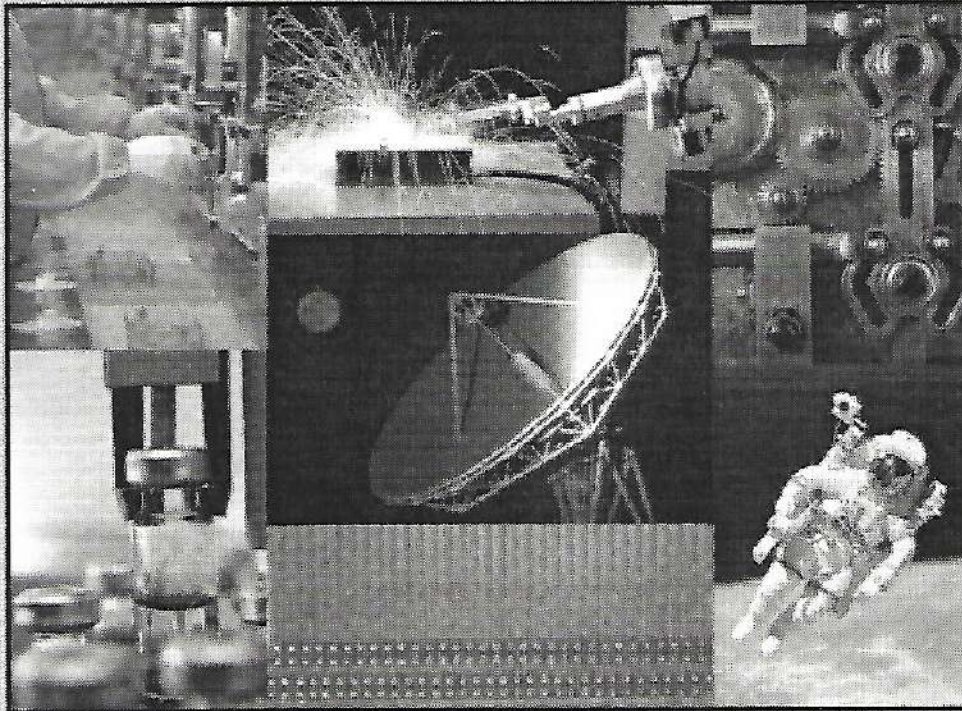
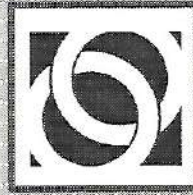


Harri Binned

W E L C O M E

19th ASEI Annual National Convention



Saturday, November 16th, 2002
(Holiday Inn, Livonia, Michigan)

Hosted by
ASEI (American Society of Engineers of Indian Origin)
Michigan Chapter
P. O. Box 87676
Canton, MI 48187
www.aseimichigan.org
A NON-PROFIT, TAX-EXEMPT ORGANIZATION, EST. 1983

Showcasing Technological Expertise amidst Diversity



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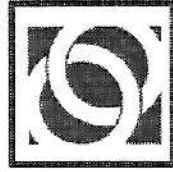
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OUR VISION

ASEI TO BE:

- A nationwide network of engineers of Indian origin
- A forum to assist members in advancing their careers
- A facilitator of Technology Transfer between USA and India
- A national professional organization with the goal of "service to its members"

ASEI ACTIVITIES

CAREER ENHANCEMENTS

- ☐ Provide Career Guidance and Counseling
- ☐ Facilitate Networking
- ☐ Assist in Skill Development through continuing
- ☐ Education Courses and Technical Seminars
- ☐ Encourage PE registrations

STUDENT AFFAIRS

- ☐ Providing Guidance to Students
- ☐ Establish Merit Scholarships
- ☐ Assist in Practical Training and Job Placement

ORGANIZATIONAL MATTERS

- ☐ Establish a National Office
- ☐ Establish an Editorial Board and Publish Quality Newsletter
- ☐ Increase Membership
- ☐ Publish Membership Directory
- ☐ Increase Awareness of ASEI
- ☐ Facilitate Local Chapter Meetings

TECHNOLOGY TRANSFER

- ☐ Conduct Workshops on How to Transfer Technology to India
- ☐ Assist in Development of Rural India
- ☐ Provide Communication Channels for Retired Engineers
- ☐ Disseminate Opportunities in India for NRIs (Non Resident Indians).

LIAISON WITH INDIA

- ☐ Establish working relationship with government and private organizations in India

CONVENTIONS AND AFFILIATIONS

- ☐ Conduct Conventions throughout USA
- ☐ Cooperate with Other Professional Societies with Similar Goals.

LOCAL CHAPTER ACTIVITIES

- ☐ Conduct bimonthly meetings to promote discussion/participation on current events
- ☐ Communicate with ASEI National Office and other Local Chapters

2002 CONVENTION PLANNING COMMITTEE



Kash Prakash
(Chair)



Gopi Yarlagadda
(Co-Chair)



Ramu Ramamurthy
(Finance & Fundraising, Awards & Scholarship)



Vijay Raut
(Corporate & Vendor Liaison)



Tel Ganesan
(Program Content)



Raghu Katti
(eStrategy)



Savya Rafai
(Publication)



Nipa Shah
(Women & Youth Mentoring)



Sudha Ramamurthy
(Hospitality)



Vithal Kadarmandalgi
(Logistics)



ASEI

(American Society of Engineers of Indian Origin)
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Tax ID # 38-2468829
MICHIGAN CHAPTER
www.aseimichigan.org, officers@aseimichigan.org

W E L C O M E

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convention@aseimichigan.org

Convention Co-chair

Gopi Yarlagadda
(248) 375-0334
convention@aseimichigan.org

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Vipin Mehta o Ramu Ramamurthy
finance@aseimichigan.org

Corporate & Vendor Liaison

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Tom Kanjirath o Sathya Rao o Vijay Raut
Abhijit Sengupta o Nipa Shah
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Sudha Ramamurthy o Vijay Raut o Sachin Shriyan
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Usha Ramamurthy o Chitra Rout o Nipa Shah
awards@aseimichigan.org

eStrategy & Promotion

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Sudha Ramamurthy o Sachin Shriyan
Shikha Gambhir
estrategy@aseimichigan.org

Publication

Tel Ganesan o Savya Rafai
publication@aseimichigan.org

Mentoring, Coaching & Role Model

Pinky Boveja o Sudha Ramamurthy
Swati Rout o Nipa Shah
wandy@aseimichigan.org

Hospitality, Sales & Registration

Tel Ganesan o Raghu Katti o Savya Rafai
Raj Raja o Sudha Ramamurthy o Swati Rout
Deevar Sateesh o Nilesh Shah o Nipa Shah
Sachin Shriyan
hospitality@aseimichigan.org

Saturday - November 16, 2002

Dear Professional Colleague:

It is our distinct pleasure to welcome you to our **19th Annual National Convention** hosted by the Michigan chapter at Holiday Inn, Livonia, Michigan.

The theme of the convention "**Showcasing Technological Expertise amidst Diversity**" is an apt reflection of our present and future contributions to this great nation after the events of last year. This event will bring together technocrats, entrepreneurs and industrialist from all over the world.

We have lined up scintillating technical programs for you, including a session on **Women and Youth mentoring** program during the day. This will be followed in the evening by a grand banquet featuring eminent speakers from the industry, academia and other international organizations (see program content for details and timing). The evening session will also include an awards ceremony and an entertainment program.

Thank you for joining us and providing your support for this organization.

With best wishes,

Dr. Kash Prakash
(Convention Chair, Treasurer - ASEI Michigan)

Dr. Ravi Rout
(President - ASEI National)

Savya Rafai
(President - ASEI Michigan)

Gopi Yarlagadda
(Convention Co-chair)

Vipin Mehta
(Chairman - ASEI National)

Tel Ganesan
(Vice President - ASEI Michigan)



ASEI

(American Society of Engineers of Indian Origin)
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www.aseio.org

NATIONAL

The American Society of Engineers of Indian Origin consists of two levels: National Level and Local Chapters. Currently ASEI has 11 chapters across USA and India including Student Chapter and is linked with various professionals, institutions and business organizations in promoting technical and business issues of interest to our members.

Regularly, ASEI members, corporations and businesses benefit by participating in our Local and National level activities, and we would like to extend such benefits to new immigrants, full time and graduating students and others in need of help. ASEI's objectives are:

- ☐ Global Networking of Professionals, Businesses, Students and Academia's
- ☐ Career guidance, and counseling
- ☐ Practical training and internship
- ☐ Technology transfer and expert assistance
- ☐ Business guidance and entrepreneurship development
- ☐ Recognize Outstanding Entrepreneurs, Engineers and Students
- ☐ Awards and Student Scholarships on National and Local Level
- ☐ Host Annual National and Local Conventions
- ☐ Publish Membership and Business Directory
- ☐ Host Alumna Picnics and get-together
- ☐ Education, Skill and leadership development

ASEI also publishes a bi-monthly newsletter, and holds an annual convention. At the annual convention, ASEI presents awards for engineering expertise, entrepreneurship, academic achievement and community service, and grants a student scholarship towards studies in engineering or an allied technical discipline.

A profile of members providing members' names, addresses, employment information and areas of expertise is available to ASEI members. ASEI is managed by a 15 member Board of Directors. In order to maintain continuity, one third of the Board members are elected every year for a three-year term.

Local Chapters:

Albany, NY
Baltimore, MD
Atlanta, Georgia
Buffalo, NY
Central Florida Chapter, FL
Cleveland, Ohio
Detroit, Michigan
Huntsville, Alabama
New York, New York
Washington DC

Chapters in India:

New Delhi, India
Bombay, India

College Chapters:

University of Maryland College Park

2002 ASEI National Board:

Vipin Mehta (Chairman)
Ruplu Bhattacharya (Vice Chairman)
Jahan Jalil (Treasurer)
Ravi Rout (President)
T Madhangopal (Vice President)
Lalit Wanchoo (Board Member)
Namrata Boveja (Board Member)
Shikha Gambhir (Board Member)
Ramu Ramamurthy (Board Member)
Ravi Sharma (Board Member)
Jagadish Agrawal (Board Member)
Shyam Kumar (Board Member)
Ravi Banshal (Board Member)
Paramjit Singh (Board Member)
Vinod Hudda (Board Member)
Chandrika Prasad (Honorary Member Advisory Board)
Hari Bindal (Honorary Member Advisory Board)

MESSAGE FROM THE CHAIRMAN OF ASEI NATIONAL BOARD

Vipin C. Mehta

**Chairman of the Board, ASEI National
P.E., m.a.p.a.**



November 16th, 2002



It is a great pleasure and joy to welcome fellow members, guests and honorable speakers to the 19th Annual Convention of ASEI members.

In the last 40 years of the 20th century the USA has given the tremendous opportunity to Indian Engineers to migrate, progress and prosper. At the same time, Indian American engineers have made substantial contributions to the USA in various fields of Engineering including Civil, Mechanical, Electrical, Chemical and Automobile, Power Plant, Structural, Environmental, Communication, Computer Hardware, Software, Aerospace, Biotech and others. Collective Creative Minds of Indian American Engineers have also contributed in development in Science and Technology. This has been Boon to Humanity in raising the standard of living, bringing and celebrating together the millennium for the first time in history of mankind. These engineering, science and technology are within physics --- within space-time dimensions while Human Mind is of Metaphysics and beyond space-time dimensions.

Currently we are crossing the threshold of the 21st century where the same Engineering, Science and Technology have turned into a Curse because they are in the hands of Destructive Minds called Terrorists. In these turbulent years of the war on terrorism and war on weapons of mass destruction, we the Indian Americans, have a new Responsibility of developing Mind Engineering using Metaphysics and contributing in Healing the Global Crises. We have inherited the seed of Metaphysics and Spirituality from India, since Mahatma Gandhi, has Experimented on Truth and Indians won Freedom by the Principles of Non-violence.

Now is the time we have to sharpen and hone the major Tools of Metaphysics.

- Collectively we have to Desire, Imagine and Expect Global Healing and Peace.

And we have to refine the Raw Materials of Metaphysics.

- Collectively we have to Believe and have an Attitude that we can establish Global Healing and Peace.
- Collectively we have to change the direction of Thinking and Feeling to Create a Resonance of Love and Peace as against Hate.
- Collectively we have to make new Choices and Decisions of "Live and Let Live".

Thus, collectively, we will succeed in having Global Healing and Peace!

With Love, Joy and Fun,

Vipin Mehta.



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19th National
Convention!**



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Engineering

FOR THE 21ST CENTURY

2002 ASEI MICHIGAN CHAPTER



Savya Rafai (President)



Tel Ganesan (Vice President)



Kash Prakash (Treasurer, Secretary)

ADVISORY BOARD



Sandy Labana



Ramu Ramamurthy (Chair)



Sudhir Jain

PICTURE
NOT
AVAILABLE

Noor Kapadia



Raj Raja



Sudha Ramamurthy

Current Activities

Host of the 19th ASEI Annual National Convention
Merit Scholarship for engineering students
Facilitator of the Dr. Hans Bajaria Problem Solving Excellence Award
Other Annual Awards: Engineer, Entrepreneur, Student, Community Service
Seminars: Immigration (Amarnath Gowda), Nutritional Therapy (Dr. Vijaya Sathe), Wisdom (Raj Raja), Personal/Professional Development (Christine Corelli)

Community Involvement

Sponsored Plymouth-Canton High School Asian Indian Students Association activities
Contributed to American Red Cross WTC Disaster Relief Fund
Participating Sponsor - INDIA DAY - August 18, 2002



STATE OF MICHIGAN
OFFICE OF THE GOVERNOR
LANSING

JOHN ENGLER
GOVERNOR



November 16, 2002

Dear Friends:

As Governor of the State of Michigan, it gives me great pleasure to extend greetings to everyone gathered for the 19th Annual National Convention of the American Society of Engineers of Indian Origin (ASEI), "Showcasing Technological Expertise Amidst Diversity."

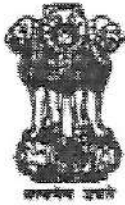
I would like to take this opportunity to commend the members of this outstanding professional organization for your ongoing contributions to our state and its automotive-related industries. As well, your efforts to rebuild towns devastated by natural disasters, clean up the environment, assure safe, clean and efficient sources of energy, and design information systems have certainly made a tremendous impact on our nation. Please know that your hard work, dedication, and expertise are very much appreciated. It is my hope that you will continue the ASEI's fine tradition for many years to come.

Once again, thank you for your outstanding service. Please accept my best wishes for an enjoyable conference.

Sincerely,

John Engler
Governor

AMBASSADOR OF INDIA
2107 MASSACHUSETTS AVE, N.W.
WASHINGTON, D.C. 20008



October 21, 2002



MESSAGE

I extend my warm felicitations to all members of the American Society of Engineers of Indian Origin on the occasion of the 19th ASEI National Convention on November 16, 2002 at Livonia, Michigan.

Since its beginning two decades ago, ASEI has provided a forum, not only for professionals and engineers of Indian origin, but the entire Indian American community. It was my pleasure to have participated in your National Convention last year where I had the opportunity to see true "technological innovation amidst diversity", which is aptly the theme of this year's convention.

I take this opportunity to convey my best wishes for the success of the convention.

A handwritten signature in black ink, appearing to read 'Lalit Mansingh'.

(Lalit Mansingh)

Surendra Kumar
Consul General




CONSULATE GENERAL OF INDIA
455 N. CITYFRONT PLAZA DRIVE, #850
CHICAGO, ILLINOIS 60611
PHONES: (312) 595-0405
FAX: (312) 595-0416/17/18
E-Mail cg@indianconsulate.com
Website: <http://chicago.indianconsulate.com>

October 21, 2002

MESSAGE

*On the occasion of the 19th ASEI National Convention on Saturday, November 16, 2002 I convey my warm greetings to the **American Society of Engineers of Indian Origin** and all its members. This Society has created a unique niche for itself by its standards of excellence, professionalism and exemplary achievements of its members and their contribution to the American economy. The Society promotes innovative ideas, cutting edge technology and networking opportunities. I am sure the discussions by leading panelists will throw up interesting, informative and productive ideas focusing on engineering field.*

*I wish the **American Society of Engineers of Indian Origin** all success in their endeavours in future.*


(Surendra Kumar)

United States Senate

WASHINGTON, DC 20510



November 16, 2002

Ravi Rout, President
American Society of Engineers of Indian Origin
7269 Wadebridge Drive
Canton, MI 48187

Greetings ...

... to everyone in attendance at the 19th annual National Convention of the American Society of Engineers of Indian Origin, ASEIO.

Each year this conference serves as an important forum for exchanging ideas and providing experiences to enhance the technical, professional and economic knowledge of your members. "Showcasing Technological Expertise amidst Diversity" is a fitting theme for highlighting the achievements and contributions of Indian engineers to today's technology. I commend the Society for your outreach and support of your members.

I would also like to congratulate the engineers who are being recognized for your commitment to the ideals of the American Society of Engineers of Indian Origin. Your efforts to help others achieve their personal best are an inspiration to us all.

I wish you all the best as you continue your important mission. I hope you have a successful and informative convention.

Sincerely,

A handwritten signature in dark ink, appearing to read "Debbie", written over a faint, larger outline of the same signature.

Debbie Stabenow
United States Senator

DS:hfr

OFFICE OF THE MAYOR

JACK E. KIRKSEY
MAYOR



33000 CIVIC CENTER DRIVE
LIVONIA, MICHIGAN 48154-3097
(313) 421-2000
FAX: 421-4870

November 16, 2002

American Society of Engineers of Indian Origin
Michigan Chapter

Dear Friends:

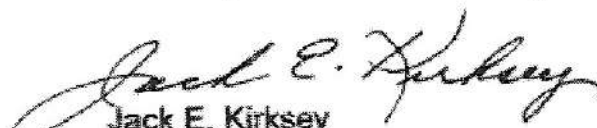
It is my extreme pleasure as Mayor of the City of Livonia to welcome those attending the 19 annual national convention of the ASEI Michigan Chapter organization.

We are extremely proud of our City and are honored that you have chosen the Livonia Holiday Inn in which to hold this very important event. It is one of the best convention and lodging facilities in the City, and I know that you will be provided with the very best accommodations necessary.

I understand that the theme for this year's convention is "Showcasing Technological Expertise amidst Diversity." This program should be very informative as it highlights various forms of cutting-edge technology and networking opportunities in our ever-changing world.

Please enjoy the convention and all of the amenities that Livonia has to offer!

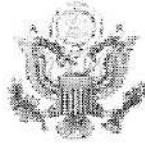
Sincerely,


Jack E. Kirksey
MAYOR

LYNNN. RIVERS
13TH DISTRICT, MICHIGAN

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WASHINGTON, D.C. 20515
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YPSILANTI, MI 48197
(734) 485-3741



UNITED STATES
HOUSE OF REPRESENTATIVES

COMMITTEE ON EDUCATION & THE WORKFORCE
COMMITTEE ON SCIENCE



October 23, 2002

Dear Friends:

Welcome to the 19 Annual National Convention of the American Society of Engineers of Indian Origin. By providing career and business guidance, a system of networking, and the positive promotion of the image of India, the ASEI serves as a wonderful resource to assist members with career advancement.

The ASEI has demonstrated an impressive growth since its inception, spanning across the country and encompassing over 1,000 members. ASEI has certainly achieved its stated goal of "service to its members."

I welcome you to the convention and extend my best wishes on this occasion.

Sincerely,

A handwritten signature in cursive script, appearing to read "Lynn".

Lynn N. Rivers



American Society of Engineers of Indian Origin (ASEI)

A NON-PROFIT, TAX EXEMPT ORGANIZATION, EST., 1983

C/O Mehta & Associates, Inc., One Purlieu Place, Suite 100
Winter Park, FL 32792 PH: 407-657-6662 email: vcmehta@mehta-florida.com

CENTRAL FLORIDA CHAPTER

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CONGRATULATIONS AMERICAN SOCIETY OF ENGINEERS OF INDIAN ORIGIN

On the eve of your 19th National Convention!

A.S.E.I. CENTRAL
FLORIDA CHAPTER

ENTREPRENEUR OF THE YEAR AWARD:

Ravinder (Ron) T. Shahani, *President, ACRO Service Corporation, Livonia, MI*



To be recognized for my accomplishments and contributions with the 2002 ASEI Entrepreneur of the Year award is truly inspiring and humbling. When I formed Acro Service Corp. 20 years ago, it was my goal to make it successful. I was able to reach that goal through the support I received from my wife, Chitra, and a team of dedicated players who worked together to make Acro successful. This award also

recognizes their efforts in making Acro "reach for the top". I am very grateful for this honor, and I share this with all who helped make this award possible.

ENGINEER OF THE YEAR AWARD:

Tim Madhanagopal, *Plant Manager, Orange County Utilities Dept., FL*



Being recognized by fellow engineers is certainly an honor in which I take much pride in and derive a sense of accomplishment from. This honor becomes more special when an additional dimension - Indian origin - is added. Receiving this award in Michigan makes it all the more symbolic, as this is where I began my engineering career. Thank you all.

COMMUNITY SERVICE AWARD:

Dr. Ravi Rout, *Manager, Ford Motor Company, Dearborn, MI*

SCHOLASTIC ACHIEVEMENT AWARD:

Anna Aswathy Paul, *Oakland University, Rochester, Michigan*



This scholarship is one of the happiest moments of my life. Scholarship means more than just money—it is an encouragement and recognition of all the hard work that I have put into school and work. Hopefully, one day, I will be able to give it back to the organization once opened its heart to me. It also shows me that there

are organizations like ASEI to support students with their education. I am very glad and thankful to ASEI in choosing me as an award recipient.

ASEI congratulates all the winners of 2002 National Awards on the eve of our 19th Annual National Convention!

Seema Hansraj Bajaria, *University of Michigan, Ann Arbor, Michigan*



I believe in the empowerment of underrepresented minorities in the field of engineering, and strongly support the goals of ASEI. I also hope to be a role model for young women scientists who have an interest in engineering and wish to pursue their goals freely. Through organizations such as ASEI, aspiring engineers together with renowned experts can keep abreast of developing ideas and themes in the world of engineering, as well as network with professionals and academicians who are motivated by similar interests. To me, being honored with this award is a stepping stone in the triumphs of Indian engineers who make a unique contribution to today's technologically advanced society.

Jayesh Thawani, *University of Michigan, Ann Arbor, Michigan*



I would like to thank the ASEI for their gracious bestowment. This award means a great deal to my family and myself because we regard the organization highly. Innovations are made in the field of Engineering via knowledge, dedication, creativity, and most important, unity. Our common heritage is the tool capable of tapping into the enormous amount of resources we all have to offer. The ASEI helps unite us, and in doing so, aids greatly in the advancement of Engineering and the development of technology.

Ranjan S. Radhamohan, *University of Michigan, Ann Arbor, Michigan*



I am gratified to receive this scholarship as it comes from those part of a heritage I am very proud of. I feel it is important to maintain the high standards set by my father, an accomplished engineer, and by the many other Indian engineers living in this country. With the scholarship I will continue to pursue my undergraduate degree, one which I hope will culminate in the continuation of what ASEI represents.

Nikita Nanavaty, *The University of Maryland, College Park, Maryland*



I do believe that I am a strong candidate for the ASEI Merit Scholarship because in addition of achieving merit in academics, I have gotten an experience as an Intern in a competitive and growing technology industry - GE, Global eXchange Services in my major field and a schooling experience by teaching English at Cool Spring Elementary School. Furthermore, I demonstrate my leadership skills through the participation in extra-curricular activities, such as a Senator for the Computer, Mathematical and Physical Sciences Department and a Co-Chair for Women in Computer Science Organization. I strongly believe that I should get this scholarship since it will accommodate me

towards my education as well as reduce some pressure regarding financial concern.

Vidhi Bhansali , *The University of Maryland, College Park, Maryland*



The American Society of Engineers of Indian Origin Merit Scholarship will go a long way in relieving my financial tensions and help me concentrate on the goal of achieving a good education. I would like to thank the ASEI committee for awarding me this scholarship. It gives me a great sense of

pride and achievement, and something I can write back home about.

Yogeeta R. Purohit , *The University of Maryland, College Park, Maryland*



I am honored and pleased to receive the ASEI scholarship. I am currently pursuing a bachelor's degree in Computer Engineering, and plan on further continuing my education for the same. This scholarship will play a major role in shaping my career. I really appreciate your time and consideration. Thank you for the scholarship.

Rooshi R. Purohit , *The University of Maryland, College Park, Maryland*



I am honored to be a recipient of this prestigious scholarship. I am completing my Undergraduate studies in Computer Engineering, and plan to pursue graduate studies or gain work experience in the related field. The ASEI scholarship will help me achieve my goals academically as well as financially.

Puja Singhal, *The University of Maryland, College Park, Maryland*

I am an undergraduate student double majoring in Computer Science and Applied Mathematics and expect to graduate in December 2003. I am also the president of the ASEI-UMCP chapter. For the past one and a half years, I have been an intern with Global eXchange Services (formerly GE GXS) and have worked on projects involving training design and delivery over the Internet. I recently started a software consulting company called SoftPro Re-engineering geared towards providing personalized computer services to mid-sized businesses. Upon graduation, I plan on pursuing an MBA with a concentration in entrepreneurship to guide me in the development of my company. I will apply the ASEI scholarship towards achieving both my academic and career goals.

Namrata Boveja , *The University of Maryland, College Park, Maryland*

I am honored to receive the ASEI scholarship for the fourth time. I believe the scholarship recognizes outstanding academic achievement, leadership, and commitment to society. I am thankful

to all the sponsors for providing the funds to award these scholarships to deserving students and the future leaders of tomorrow.

Hima Gandhi, *University of Waterloo, Waterloo, Ontario, Canada*

Receiving this scholarship will greatly help me to support myself through this study tem.

Bhimasen Joshi, *Oakland University, Rochester, Michigan*

Anand Padhi, *University of Michigan, Ann Arbor, Michigan*

Winners of ASEI - Michigan Chapter's Lifetime Contribution Award are:

- Hari Bindal - Founding / Life Member
- Jagdish Agrawal - Founding / Life Member
- Raj Raja - Life Member
- Yogi Anand - Founding / Life Member

Previous ASEI Award Winners

18th National Convention, 2001

- The Entrepreneur of the Year Award: Mr. Victor Naidu, Founder and CEO, Ramsoft Systems, Inc
- The Engineer of the Year Award: Mr. Jayprakash B. Shah, President, Spalding Dedecker Inc
- ASEI Community Service Award: Mr. Raj Vattikuti, Founder, COVANSYS
- ASEI Student of the Year Award: Ms. Nikita Nanavaty, The University of Maryland

Student Scholarship Winners:

- Ms. Anuradha Shrivatsava, Kettering University, Flint, MI
- Ms. Puja Singhal, University of Maryland, College Park, MD
- Mr. Srikanth Balaji, University of Michigan, Ann Arbor, MI
- Mr. Saurabh Rohatgi, MSU, East Lansing, MI
- Mr. Thomas Zacharias Josephson, University of Maryland, College Park, MD

17th National Convention, 2000

- The Entrepreneur of the Year Award: Ravindra Bansal
- The Engineer of the Year Award:
- ASEI Community Service Award: Hari B. Bindal, Bowie, MD

- ASEI Student of the Year Award:

Student Scholarship Winners:

- Mr. Zubin Teja, Coral Springs, FL
- Ms. Gaganpreet Nagi, University of Maryland, College Park, MD

16th National Convention, 1999

- The Entrepreneur of the Year Award: Mr. Pradeep Tripathi, Tri-Path Consulting, LLC, Ann Arbor, MI
- The Engineer of the Year Award: Mr. Dharendra S. Saxena, ASC Geosciences Inc. Lakeland, FL
- ASEI Community Service Award: Mr. Manohar Singh, Paramount Engineering Company, Morrow, GA
- ASEI Student of the Year Award: Ms. Namrata Boveja, University of Maryland

Student Scholarship Winners:

- ASEI Merit Scholarship: Mr., Jason L. Pereira
- ASEI Support Scholarship: Mr. Shashank Mehrotra, Virginia Polytechnic Inst. VA

15th National Convention, 1998

- The Entrepreneur of the Year Award: Mr. Ashok Trivedi, CEO of Mastech Corporation
- The Engineer of the Year Award: Mr. Subir Chowdhury, Vice-President, American Supplier Institute
- ASEI Community Service Award: Mr. Shiv Jindal, Springfield, VA
- ASEI Student of the Year Award: Mr. Jeysenkar Sriram, SUNY-Binghamton

Student Scholarship Winners:

- Ms. Parul Kumar: Clarkson University
- Ms. Namrata Boveja: University of Maryland
- Mr. Tushar Halgali: Virginia Tech
- Ms. Vaidehi Srinivisan: Louisiana State University

- Ms. Swati Rout: University of Michigan

14th National Convention, 1997

- The Entrepreneur of the Year Award: Mr. Shankar Subramonian, American Megatrend, Inc.
- The Engineer of the Year Award: Mr. Dr. Nitish P. Balsara, Polytechnic Univ. Brooklyn, NY
- ASEI Community Service Award: Mr. Mr. Baren K. Talukdar, Augusta GA
- ASEI Student of the Year Award: Neil Hattangadi, Orlando, FL and Parag Doshi, Atlanta GA

Student Scholarship Winners:

- ASEI Merit Scholarship: Sudarshan Gururaj, Parsippany, NJ
- ASEI Support Scholarship: Chakradhar C. Reddy, Norfolk, VA
- ANSTEC Scholarship: Namrata Boveja, Gaithersburg, MD, Amit Bhat, Univ of Houston, TX, and Ali Lakhia, Univ of TX

13th National Convention, 1996

- The Entrepreneur of the Year Award: Rohit Shyam, Vaikunt Technology Intn'l, Bethlehem, PA.
- The Engineer of the Year Award: Sanjay Amin, Entropy Systems Inc.

- ASEI Community Service Award:

- ASEI Student of the Year Award: Ravi Guttal, Rensselaer Polytechnic Inst., Troy, MI

Student Scholarship Winners:

- ASEI Merit Scholarship: Sapna Mehta Univ of Maryland, Baltimore, and Zareen Mistry, Cornell Univ NY

12th National Convention, 1995

- The Engineer of the Year Award: Dr. Sudhir Savkar, General Electric Schenectady, NY
- ASEI Community Service Award: Mr. Umesh Rohatgi, Novi, MI
- ASEI Student of the Year Award: Dr. Venkatesh Ravirala, Rensselaer Polytechnic Inst. Troy, MI

Student Scholarship Winners:

- Ms. Rachita Ruchi, University of Maryland, MD
- Mr. Rakesh Arora, American University, DC

11th National Convention, 1994

- The Engineer of the Year Award: Mr. Arun Shirole, NY Dept of Transportation
- ASEI Student of the Year Award: Mr. Nitin Salunke, University of Maryland, MD

Student Scholarship Winners:

- Mr. Cyrus Mistry, John Hopkins University
- Ms. Anita Goyal, GMI, Flint, MI

10th National Convention, 1993

- The Entrepreneur of the Year Award: Mr. Satyendra Shrivastava, CEO, ANSTEC

- ASEI Community Service Award: Dr. Lajpat Utreja

Student Scholarship Winner:

- Sanjiv Patel, University of Michigan

Continued on the next page

9th National Convention, 1992

- The Entrepreneur of the Year Award: Mr. Pravin Sheladia, Sheladia Associates, Rockville, MD
- The Engineer of the Year Award: Mr. Arun Netravali, AT&T Bell Labs
- ASEI Student of the Year Award: Harmeet Singh, University of Maryland.
- ASEI Community Service Award: Hari B. Bindal, Bowie, MD
- **Student Scholarship Winner:**
Mr. Gaurav Rohatgi, MIT

8th National Convention, 1991

- The Entrepreneur of the Year Award: Mr. Subramanian Shanker, President, AML,
- The Engineer of the Year Award: Dr. Darsh Wasan, VP, R&D, Illinois Inst. Of Technology.
- ASEI Community Service: Mr. Ramesh Kapoor, Medical Technical Gases, MA
- ASEI Student of the Year Award: Subramaniam Ramamurthy, The University of Toledo, Toledo, OH
- **Student Scholarship Winner:**
Mr. Arun Mamtani, University of Maryland, College Park, MD

7th National Convention, 1990

- The Entrepreneur of the Year Award: Ram Thukkaram, Ganton Technologies, Inc. Chicago, IL.
- The Engineer of the Year Award: Dr. Shiva Subramanya, TRW
- ASEI Community Service Award:
- ASEI Student of the Year Award:

6th National Convention, 1989

- The Entrepreneur of the Year Award:
- The Engineer of the Year Award:
- ASEI Community Service Award:
- ASEI Student of the Year Award:

5th National Convention, 1988

- The Entrepreneur of the Year Award:
- The Engineer of the Year Award:
- ASEI Community Service Award:
- ASEI Student of the Year Award:

4th National Convention, 1987

- The Entrepreneur of the Year Award:
- The Engineer of the Year Award:
- ASEI Community Service Award:
- ASEI Student of the Year Award:

3rd National Convention, 1986

- The Entrepreneur of the Year Award:
- The Engineer of the Year Award:
- ASEI Community Service Award: Hari B. Bindal, Panama City, FL
- ASEI Student of the Year Award:

2nd National Convention, 1985

- The Entrepreneur of the Year Award:
- The Engineer of the Year Award:
- ASEI Community Service Award: Sudha Chandrashekhar
- ASEI Student of the Year Award:

1st National Convention, 1984

- The Entrepreneur of the Year Award:
- The Engineer of the Year Award:
- ASEI Community Service Award: Hari B. Bindal, Detroit, MI
- ASEI Student of the Year Award:

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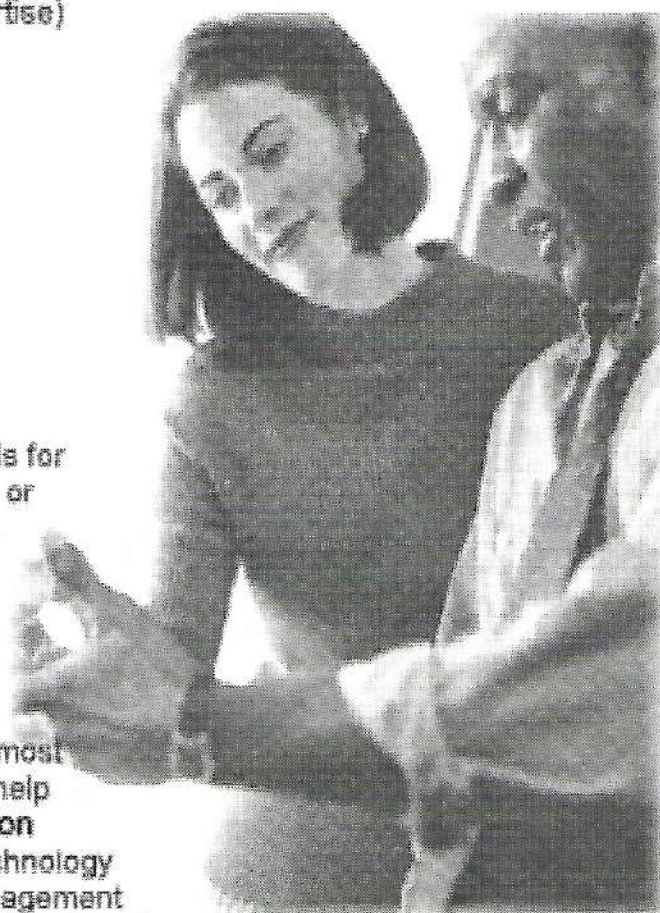
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NOTES

Program Details

19th ASEI Annual National Convention (November 16th, 2002)

Showcasing Technological Expertise amidst Diversity

9:00 AM to 10:45 AM Innovations in Technology, Engineering, Manufacturing, Process Improvement & IT

- Dr. Prasad Venkatesh, Ford (Session Chair)
- Hira Fotedar, Vice President Quality and Operational Excellence, Eaton Corporation
- Jagmohan Takhar, Technical Specialist, DTE Energy
- A.C. Ramamurthy, Technical Fellow - Visteon Corporation, Six Sigma Black-Belt Insight

10:45 AM to 12:15 PM Women's Forum, Mentoring

- Nipa Shah, IT Manager, GM (Session Chair)
- Janet C. Weatherbe, Executive Director, Global Human Resources, GM
- Margaret Talburtt, President, Michigan Women's Foundation

12:15 PM to 12:30 PM Break

12:30 PM to 1:45 PM Students and Career Development

- Nipa Shah, IT Manager, GM (Session Chair)
- Puja Singhal, Graduate Student, University of Maryland
- Shikha Gambhir, Graduate Student, University of Maryland

12:30 PM to 1:45 PM Finding Capital for Early Stage Companies

- David Weaver, President, Greatlakes Angels (Session Chair)
- Jack Ahrens, General Partner, TGap Ventures
- Mickey Katz-Pek, General Managing Partner, Biotechnology Business Consultants
- Mina Sooch, North Coast Technology Ventures, LLP
- Gary Walker, Technology Business Counselor, Michigan Small Business Development Council

1:45 PM to 3:00 PM Wisdom, Tradition, Spirituality

- Raj Raja, President, Extech (Session Chair)
- Dr. Madhav Desphande, Professor, University of Michigan, Ann Arbor - Introduction to Indian Traditions
- Dr. Ray Jensen, Director, Minority Development, Ford Motor Company - Ethics for success in Business

2:45 PM to 3:30 PM Awakening of Spirituality beyond Religions

- Vipin Mehta, Chairman - ASEI National Board

3:30 PM to 5:30 PM Entrepreneurship & Emerging Business Opportunities

- Dr. Pradeep Chowdhury, Director, Center for Entrepreneurship, EMU
- Sanjeev Gupta, CEO, Speed to Market Project Management
- Bhushan Kulkarni, CEO, GDI Infotech
- Sudhir Jain, CEO, IMSI-PM
- Dr. Nalini Motwani, President, ApoLife, Inc

5:30 PM Social hour

6:30 PM Presentation, Speeches & Awards

- Dr. Shahed, President, SAE
- Ron May, VP, DTE
- Dr. C.R. Rao, Penn State

8:30 PM Dinner

9:30 PM Entertainment

Ron A. May

Senior Vice President, Detroit Edison



Ron A. May, 50, is senior vice president at Detroit Edison, an electric utility serving 2.1 million customers in Southeastern Michigan. May is responsible for distribution activities of DTE Energy Distribution, one of three major business units of DTE Energy (NYSE: DTE), a diversified energy company involved in the development and management of energy-related businesses and services nationwide.

May joined Detroit Edison in 1984 as director of planning and control of nuclear administration at the company's nuclear power plant, Fermi 2. He held a series of increasingly responsible positions, including manager of service center operations; assistant vice president, energy delivery; and vice president, energy distribution. Earlier in his career, he was vice president and operations manager for Project Management Associates, working on the Fermi 2 construction project. From 1974 to 1981, he worked for Townsend and Bottum, Inc. on several projects related to Detroit Edison's St. Clair Power Plant.

May earned a bachelor of science degree in civil engineering at the University of Michigan, and associate of science and associate of business administration degrees from St. Clair County Community College.

May serves as a member of the board of directors, as well as president, of Crossroads for Youth, Inc. He also currently serves as treasurer on the board of directors of Warren Conner Development Coalition and he is a member of the School of Engineering and Computer Science Advisory Board at Oakland University. May is also an Executive Advisory Panel member for the School of Business at Lawrence Technological University. He was the past president of the Business Consortium for the Arts, City of Southfield.

May has received the Diversity Champion awards from the Birmingham-Bloomfield Diversity Task Force in 2000 and the Detroit Chapter of the Association of Chinese Americans in 2001. He was the Walkathon Chairman for the National Conference for Community and Justice in 2001. He sponsored the Paint the Town, School to Work, and 18 other special programs at Detroit Edison.

S. M. Shahed

**Vice-President, Advanced Products & Systems, Garrett Engine Boosting Systems, Honeywell International, Inc.
President, SAE**



Dr. Shahed's responsibilities include the development of Advanced Air Management Systems for boosting diesel and gasoline engine performance, fuel economy and emissions control. Dr. Shahed has a mix of academic and industry experience. He has worked at Cummins Engine Co and Southwest Research Institute and held faculty positions at the University of California, Berkeley, and University of Texas at San Antonio, San Antonio. He holds a B.E. (1966) from Osmania University, Hyderabad, India and an M.S. (1969) and Ph.D. (1970) from the University of Wisconsin, Madison.

Dr. Shahed has authored many technical papers in the field of combustion, chemical kinetics of pollutant formation, diesel and gasoline engine emissions control technology, turbocharging and supercharging of engines etc. SAE, ASME, IMechE, Combustion Institute and several other societies have published his papers. Several of these papers have received international recognition for their technical excellence - James Clayton Award, IMechE, 1975; Horning Memorial Award, SAE 1982; and Arch T. Colwell Merit Award, SAE, 1984. In addition, he was awarded SAE's Excellence in Oral Presentation Award in 1991. For his outstanding technical contributions he was elected Fellow of SAE and ASME in 1991. He also was elected Fellow of the Institute for the Advancement of Engineering in 1999. The University of Wisconsin, Madison, recognized him with a Distinguished Service Citation in 2001.

In addition to sustained technical contributions he has worked energetically on SAE serving as Fuels and Lubricants Activity, member (1973-98), vice-chair, Combustion & Emissions, (1983-85), and again vice-chair, Combustion, (1992-94), Ralph J. Teetor Industrial lecturer (1986), Horning Board of Awards, member (1987-90), chair (1990), technical program chair, Future Transportation Technology Conference (1993), Technical Program co-chair, Fuels & Lubricants Meeting (1996), general chair, Future Transportation Technology Conference (1998), chair, Southern California Section (2000-01). For his sustained contributions to SAE he was awarded the Forest R. McFarland Award in 1985 and again in 1995. He has served SAE as a member and chair of several Coordinating Research Council (CRC) committees.

Dr. Shahed also has been active in other technical societies serving the Combustion Institute as member, Board of Advisors, Central States Section, (1978-88); director (1984-86), chairperson (1986-88) and ASME as member, Internal Combustion Engine Board of Associates.

Dr. Shahed lives in Torrance, California with his wife Asha. They have one daughter, Joohee who graduated from Baylor Medical College and is training to be a Neurologist. He enjoys reading a wide range of subjects, running, bicycling and working among their fruit trees in sunny Southern California.

C. R. Rao



**Emeritus Eberly Professor of Statistics and Director of the
Center for Multivariate Analysis at Pennsylvania State
University
Adjunct Professor at the University of Pittsburgh**

C.R. Rao was honored by the President at the White House with a National Medal of Science on June 12, 2002 with the citation, "for his pioneering contributions to the foundations of statistical theory and multivariate statistical methodology and their applications, enriching the physical, biological, mathematical, economic and engineering sciences."

Rao earned his Ph.D. and Sc.D. degrees at Cambridge University, UK, and has received 27 honorary doctoral degrees from universities in sixteen countries around the world. He is the author of 14 books and 350 research papers published in professional journals. He held several important positions, as Director of the Indian Statistical Institute, Jawaharlal Nehru Professor and National Professor in India, University Professor at the University of Pittsburgh and Eberly Professor of Statistics at the Pennsylvania State University.

For his pioneering contributions to statistical theory and applications, Rao received numerous awards. He has been elected to the National Academy of Sciences, USA, American Academy of Arts and Science, Royal Society (UK Academy of Sciences), Indian National Science Academy, Lithuanian Academy of Sciences and Third World Academy of Sciences. He was made an Honorary Member of the International Statistical Institute, International Biometric Society, Royal Statistical Society (UK), Finnish Statistical Society, Portuguese Statistical Society, Institute of Combinatorics and Applications and World Innovation Foundation, and Honorary Life Fellow of King's College, Cambridge. Besides he is an elected Fellow of several Statistical Associations or Societies. He has been the President of the International Statistical Institute, International Biometric Society, Institute of Mathematical Statistics, USA.

The Government of India honored him with the second highest civilian award, Padma Vibhushan for "outstanding contributions to Science and Engineering/Statistics", and also instituted a cash award in honor of C.R. Rao, "to be given once in two years to a young statistician for work done during the preceding 3 years in any field of statistics."

Rao's research in multivariate analysis has led to optimum use of resources in economic planning and improvements in weather prediction, medical diagnosis, detection and estimation of signals, tracking the movements of spy planes and monitoring the course of spacecrafts.

Rao is married and has a son and a daughter.

B. Ramalinga Raju Chairman, Satyam Computer Services Ltd.



B. Ramalinga Raju is the Chairman of Satyam Computer Services Ltd., (NYSE: SAY) and its subsidiary, Satyam Infoway (NASDAQ: SIFY). He incorporated Satyam Computer Services Ltd. in 1987 - a Company that went public in 1992, and has since grown to become one of India's pre-eminent IT companies.

Raju has been described by various media and other eminent people as a Visionary, a Global Business Leader, Technology and Management Thinker. His vision helped evolve Satyam as an organization respected for its customer orientation, global standards of Quality and Delivery, professionalism and for its highly skilled, committed and motivated people. Today, nearly 8,600 professionals of Satyam work in 43 countries across five continents, servicing over 260 multinational Corporations, of which 60 are Fortune 500 Companies.

Raju's belief in the spirit of entrepreneurship led him to implement a unique organizational design in Satyam. The 'Network of Circles' as it is known has the Customer at the center and does away with conventional pyramidal hierarchy and empowers individuals to act as chief executives of the business units they run. This has enabled the Company to react quickly and effectively to changing market and technological scenarios, while always striving to delight the various stakeholders viz., Associates, Investors and Customers.

Raju has an MBA from the Ohio University, USA, and has attended the Owner/President course at Harvard. He has done extensive work on the concept of Numeric Management, which forms the platform for a Business Performance Measurement software product launched by Satyam known as VisionCompass.

He has won several awards and global recognition for his achievements, besides those that were achieved by Satyam, under his leadership. To name a few, he has been endowed by Dataquest, a major IT magazine, as the 'IT Man of the Year' in 2001 for "his contributions to the growth of IT in India" and for being a pioneer in challenging the traditional modes of doing business" and as having left an indelible mark on the country's IT industry.

Recognizing his "indomitable spirit", Ernst & Young chose him for the 'Entrepreneur of the Year Award (Services)' in 2000.

He shares a social vision and has set up several Trusts and bodies to aid greater social equity and providing opportunities for the under-privileged, including Alambana, Naandi and the Byyraju Foundation, among others. He is an avid reader and plays snooker to distraction.

Raju is married with two grown-up sons.

Jack K. Ahrens, II



General Partner of TGap Venture Capital Fund

Jack is a General Partner of TGap Venture Capital Fund, an early stage Midwest oriented venture fund located in Kalamazoo, Michigan. He has been a venture capitalist and fund administrator since 1979; first a President of United Capital Corporation of Illinois (an SBIC), and since 1983 as a General Partner of Pathfinder Venture Capital Funds. Prior to that he had seven years of experience in bank trust investments and operations. He became a Chartered Financial Analyst (CFA) in 1982 and has advanced training at the American Institute of Banking, NASBIC Management Institute, and Stanford Advance Management College. In recent years at Pathfinder, in addition to traditional venture investment responsibilities Jack has been the administrator of the Partnerships, Pathfinder's in-house systems expert, and has managed the firm's exits from portfolio investments that were sold or distributed. He is a graduate of Indiana University.

Seema Chaturvedi

President - TiE Michigan

Pradeep Chowdhury

Director - Center for Entrepreneurship - Professor - Eastern Michigan University

Madhave M. Deshpande

Professor - University of Michigan, Ann Arbor



Department of Asian Languages and Cultures

Education 1966,B.A. (Sanskrit/Pali/Philosophy), Fergusson College, Pune 1968,M.A.(Sanskrit/Pali),University of Poona, Pune 1972,Ph.D.(Oriental Studies),University of Pennsylvania, Philadelphia

Publications - over 100 research papers in various journals on the history of Sanskrit grammatical theory, Socio-linguistic history of Indian languages, religious and philosophical traditions of India

Hira Fotedar



Vice President (Quality and Operational Excellence) - Eaton Corp.

Will be speaking on the topic - An Integrated Business System to drive Quality, Productivity and Innovation.

Sanjeev Gupta



CEO - Speed to Market

Sanjeev is a recognized authority in enterprise management software based on Dr. Eli Goldratt's Theory of Constraints. Prior to Speed to Market, Sanjeev was founder and CEO of Thru-Put Technologies (now a division of MAPICS), provider of supply chain optimization software for industrial manufacturers.

Before founding Thru-Put and Speed to Market, Sanjeev worked in various management functions at Xerox Corporation from 1989 to 1993. He holds a B.S. in Mechanical Engineering from Indian Institute of Technology, an M.S. in Mechanical Engineering from Virginia Tech and an M.S. in Management and Public Policy from Carnegie Mellon University.

Sudhir K. Jain



President and Founder - IMSI

Sudhir K. Jain is the President and founder of IMSI and has over thirty years of experience in project management on major projects. With IMSI, Mr. Jain has led and participated in IMSI automotive, software, construction and government projects. Prior to founding IMSI, Mr. Jain was the Cost/Schedule Manager for Bechtel Power Corporation where he was responsible for Ann Arbor Division's project control functions in Technical Services Department. Mr. Jain holds both MBA and MS (Mechanical Engineering) degrees from the State University of New York, Buffalo, and is a member of the Project Management Institute, American Association of Cost Engineers, and the Society of Automotive Engineers.

Renaldo M. Jensen

Director - Ford Motor Company

RENALDO M.JENSEN is the director of Ford Motor Company Minority Supplier Development. He administers the Ford Minority Supplier Development Programs, which was specifically created to revitalize and expand the company's business relationships with its minority suppliers.

Dr. Jensen was appointed to this position in 1987, after having served as supervisor of Advanced Concepts, Advanced Engineering Design Staff since 1980. He joined Ford Motor Company's Design Center in 1978 as a principal design engineer in the Aerodynamics Department.

A former Air Force Officer, Dr. Jensen earned his bachelor's degree in mechanical Engineering from Howard University In Washington, DC in 1958, and his master's degree in aerospace engineering from the Air Force Institute of Technology in Dayton, Ohio, in 1963. He was awarded a Ph.D. in aerospace mechanical Engineering from Purdue University in 1970.

During his 20 years with the Air Force, Dr. Jensen held several command and staff positions at the Pentagon. In addition, he was an assistant professor of aerospace-mechanical engineering at the Air Force Institute of Technology, and held adjunct professorship of mechanical engineering at Howard University. Dr. Jensen had attained the rank of Lieutenant Colonel when he left the service in 1978 to join Ford Motor Company.

Dr. Jensen is a member of Alpha Phi Alpha Fraternity, Inc., the Tau Beta Pi Engineering Honor Society of Mechanical Engineers (ASME), the American Institute of Aeronautics and Astronautics (AIAA), and the Combustion Institute.

Marilyn (Mickey) Katz-Pek



Managing Partner - Biotechnology Business Consultants

Ms. Katz-Pek has worked with a substantial number of large public and private companies, entrepreneurial biomedical companies, academic, research, and government institutions since founding BBC in 1990.

Previously, Ms. Katz-Pek spent 17 years as an administrator at the University of Michigan Medical School, where she was involved in technology transfer, departmental management and the establishment of multidisciplinary centers.

In 1985 Ms. Katz-Pek became president of BioQuant, a medical diagnostics company spun out of the University. The company subsequently merged with Pacific BioMetrics and is now publicly traded.

In addition to her for-profit activities, Ms. Katz-Pek co-founded the Michigan Biotechnology Association (now MichBio) and was Director of Biotechnology and Life Sciences at MERRA, a nonprofit economic development organization for high technology in the state of Michigan. She also served as Chairperson of the Michigan Center for High Technology.

Ms. Katz-Pek also served on the National Science Foundation's advisory panel for review of commercialization plans for the SBIR program and has been an SBIR/STTR reviewer at the National Institutes of Health. She currently is a member of the Board of Directors of Ann Arbor Commerce Bank and is also a Board Member on the Ann Arbor/Ypsilanti Long-term Development Finance Authority. Previously, she served on the National Board of Directors of the American Diabetes Association and was president of its Michigan Affiliate. She currently is a grant reviewer for Indiana's 21st Century Research and Technology Fund.

Ms. Katz-Pek has been acknowledged as one of Michigan's top 10 business women from the National Association of Women Business Owners, Greater Detroit Chapter; and has twice been listed as one of Detroit's Most Influential Women (1997 and 2002).

Bhushan Kulkarni



President & CEO - GDI Infotech Inc.

Bhushan Kulkarni is the founder, President & CEO of GDI Infotech, Inc., an Information Technology Consulting Company based in Ann Arbor, Michigan. Since its inception in 1993, he has grown GDI Infotech, Inc. from a start-up venture to a profitable business solution provider. GDI has been named in Inc 500 List of Fastest Growing Private Companies three times in a row and Fastest Growing Company in the State of Michigan for 1999 & 2000.

Bhushan's team-building and open-book approach to management has had a powerfully positive effect on the company's development. Employees are encouraged to contribute strategic ideas on how to expand the business and make it more profitable. This approach has also allowed Bhushan to build a dynamic management team and to transition his involvement in GDI to the visionary and oversight role that is crucial to the next stage of GDI's development.

Bhushan was named the Ernst & Young Entrepreneur of the Year in Technology Services for 2001. He also has received American Dreamer Award, "Metro Detroit's 40 under 40" Recognition and has been listed in Who's Who in Technology Services by Crain's Business Weekly Magazine. He is currently serving on the boards of Ann Arbor Chamber of Commerce, Information Technology Association of Michigan (ITE@M) and Walsh College of Business and Management Studies.

Vipin Mehta



Bhushan holds Bachelors and Masters degrees in Engineering. He is avid musician and plays several musical instruments. He is married and blessed with three sons - ages 9, 6 and 4.

Founder - New Era Spiritual Center

Vipin Mehta has been involved with Metaphysics and Spirituality since his college days. He continues to pursue knowledge, understanding Mysticism and then applying the teachings of Spiritual Leaders and Mystics in real life, such as: Mahatma Gandhi and his spirituality in politics; Krishnamurthy's teachings of human emotions in life; Rabindranath Tagore's mystical poems; Osha Rajneesh's Spirituality and Mysticism, Metaphysics, New Age Spirituality and Mysticism of LAZARIS (Non-physical entity). Vipin and his wife, Hansa, established the Rajneesh Amrito Center in the Chicago Area from 1976 to 1988. Then, they started the New Era Spiritual Center in Orlando, Florida in the year 1991 to enhance Traditional Spirituality by relating and transforming it to the New Age Spirituality of the 21st Century.

Nalini Motwani

Founder & President - ApoLife Inc.

Dr. Motwani received her Ph.D. in Immunology from the Wayne State University and completed her post-doctoral work with a fellowship from NIH. She was also a visiting scientist at the prestigious Karolinska Institute in Stockholm, Sweden. Dr. Motwani is a Adjunct associate professor at the Department of Biology at Oakland University, and serves on the board of directors at the College of Science at Wayne State University. Biomedical Institute at Oakland University. She was a consultant at the Technology Transfer office at the University of Michigan, and has performed consulting services with a Wall Street Investment firm.

Dr. Motwani has over twenty years of experience in biomedical research. As an energetic entrepreneur, she has been successful in receiving competitive state and federal funding which helped ApoLife develop proprietary technology for the cost-effective production of genetically engineered antibodies. Prior to the current venture, Dr. Motwani played a key role in the start-up of a biotechnology company Strohtech, Inc. When Strohtech moved its operations to North Carolina, Dr. Motwani negotiated business arrangements with her former employer, which helped start ApoLife, Inc. She will discuss her experience is starting a biotechnology company in Michigan.

K. Venkatesh Prasad



Group Leader, Infotronics Technologies - Ford Motor Company

K. Venkatesh Prasad is the founding leader of Ford Motor Company's Infotronics Technologies Project --- a globally distributed activity the company established in 1998, within the Ford Research Laboratory. In this capacity, he is responsible for the research and accelerated prove-out of a broad spectrum of end-to-end communications and in-vehicle computing technologies, and for the development of vehicle intelligent systems architectures. From 1996-1998, he led research in the area of computer vision, electronic imaging and pattern recognition --- related to automotive safety and security applications. During this period he also carried out the company's first internal study of Automotive Biometrics. Prasad joined Ford Motor Company in 1996.

Between 1992 and 1996 --- the formative years of the Internet and the "Web," --- Prasad was at Ricoh Silicon Valley in Menlo Park, California, working in the area of visual information processing and secure network transactions of digital documents. He holds several U.S. patents for work in these areas.

During the 1990-1992 period Prasad was a postdoctoral associate at Rutgers University, a visiting scientist at the California Institute of Technology (Caltech), and a Caltech faculty-affiliate at NASA's Jet Propulsion Laboratory in Pasadena.

Prasad received his B. E. degree in Electronics and Communication from the University of Madras (1980), an MSEE degree from the Indian Institute of Technology at Madras (1984), an MS degree in Computer Engineering from Washington State University, Pullman (1987) and a Ph.D. degree in Electrical and Computer Engineering from Rutgers University, New Brunswick (1990).

Prasad was born in 1959, in Chennai (Madras), India. He now lives in Ann Arbor, Michigan with his wife and daughter.

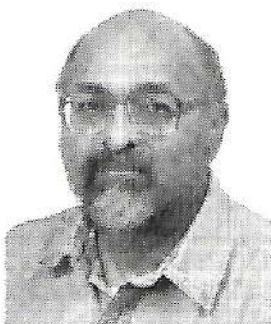
Raj Raja



President - Extech Inc.

Raj Raja is the President of EXTECH Inc., a management consulting company. He was formerly with Ford Motor Company and a faculty member in the school of Management at Wayne State University. He has done extensive work in the areas of environmental and safety engineering, Total Quality Management, Diversity Training and Business Ethics.

A. C. Ramamurthy



Technical Fellow - Visteon Corporation

Ramamurthy (Ram) is a Technical Fellow employed by Visteon Corporation, Dearborn, MI the past ten years. He is also serves the role of a Six Sigma Black Belt working for the Quality office.

Ram graduated with BSc(Hons) in Chemistry and MS in Chemistry from the Indian Institute of Technology, Bombay, India. He obtained his PhD in Electrochemistry from the Indian Institute of Science, Bangalore, India in 1978. He moved to the United States in 1980 as a Post Doctoral Research Fellow at the Ohio State University, Columbus, OH. He later worked at Occidental Petroleum, Niagara Falls, NY as a Research Chemist and then at BASF Corporation, Southfield, MI.

His expertise includes, alloy plating, corrosion, paint durability, Tribology and now in Six Sigma problem solving. Ram has authored over 30 peer-reviewed papers and has been a speaker at several International conferences and Gordon Conferences.

Nipa Shah



IT Portfolio Manager - General Motors Corporation

Nipa Shah is an Information Technology Portfolio Manager within the Vehicle Sales, Service, & Marketing Group at GM. She has been with GM since 1989 and has a Bachelor's degree in Biochemistry and an MBA in Information Technology.

Nipa has been extremely active in mentoring activities within and outside of GM. She was the founder of the GM Professional Women's Network at the Powertrain plant in Ypsilanti, Michigan. She has also provided mentoring and guidance to teenagers at a local temple and is the chair of the career day event at the Novi Middle School. She is a member of the Michigan Council of Women in Technology and participates in mentoring activities that are focused on providing guidance to women and kids.

Nipa is married with two children, ages 13 & 8 and has lived in Michigan for the

Mina Sooch



past 17 years.

Entrepreneur-in-Residence - North Coast Technology Investor, LP

North Coast Technology Investors, LP is a venture capital firm that invests in technology-driven companies with outstanding growth prospects. They manage over \$100 million of capitalization drawn from institutional investors, such as banks, corporations, foundations, and insurance companies.

Mina Patel Sooch joined North Coast in 2001, as its second Entrepreneur-in-Residence, to actively pursue Life Sciences opportunities, bringing with her over a decade of pharmaceutical, healthcare, and chemical experiences as an entrepreneur, strategy & finance advisor, and chemical engineer.

Jagmohan S. Takhar



Technical Specialist - DTE Energy

Education:

- BSME- Chandigarh India- 1963
- MSIE- Univ. of Mich. Ann Arbor-1965
- MSME- Univ. of Mich. Ann Arbor-1967

Experience:

- 37 years of Engineering and Management Experience

Present Job:

- Technological Specialist

Biographical Data:

- Married- Wife and Four children

Margaret Talburt

President - Michigan Women's Foundation

Gary Walker

Technology Business Counselor - Michigan Small Business Development Council

Janet C. Weatherbe



Executive Director - Global Functional HRM Process GM

An Oshawa, Ont., native, Weatherbe graduated the University of Toronto with a bachelor's degree in English literature. She also attended Stanford University's Graduate School of Business on a General Motors Sloan Fellowship, earning a master's degree in business.

She joined General Motors in 1973 at GM-Canada Ltd. in Oshawa, and held a variety of Human Resources positions at various locations in GM of Canada. In 1985 she was promoted to Director of Salaried Personnel Administration at GM of Canada's head office and was responsible for managerial and executive career development, staffing, compensation and policy. In 1987, Weatherbe was assigned to the national bargaining team as the management representative responsible for contractual language for the 1987 national Bargaining with the Canadian Autoworkers Union.

In 1988 she was transferred to the USA and served as director of labor relations at Central foundry Division in Saginaw, Michigan, where she was responsible for the union agreements and relationships for the several foundries. Following this assignment, she was promoted to general director human resources and public

affairs at Delphi-Harrison Thermal Systems in Lockport, New York. And was responsible for the people systems for that global, 4.5 billion company. In 1997, she returned to Michigan to assume responsibility for global leadership development and Dean of the Leadership College of General Motors University at General Motors headquarters. Her current assignment includes global leadership development and the human resources responsibilities for the General Motors corporate and North America staff activities.

David Weaver

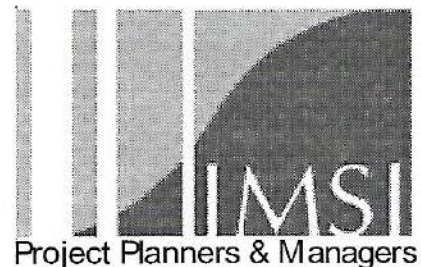


President - Aimattech Consulting LLC

David Weaver, President of Aimattech Consulting LLC, whose consulting practice was founded in 1985, (<http://www.aimattech.com>) has over twenty five years diversified management experience, which includes: global profit/loss responsibility, turning around troubled business operations, strategic planning, new product development, and directing domestic and international sales & marketing. He is a Senior Executive experienced in full P&L, general / global sales & marketing management, business development in Fortune 500 and start-up businesses. Mr. Weaver has written numerous Business Plans and consults to companies in various industries.

Mr. Weaver's management training was with Fortune 500 companies and he joined a local start-up in 1986 and contributed to the raising of private, Venture and public (IPO) capital. He is a "Coach" to the GREAT LAKES VENTURE QUEST (www.glventurequest.com) Business Plan contest. He is on the Steering Committee and Vice Chairman for the Detroit Chapter of the MIT Enterprise Forum (<http://mitgreatlakes.org/>) and the Executive Committee of the Detroit Chapter for the Association of Corporate Growth (<http://www.acg-sem.org>) and President of Great Lakes Angels (www.glangels.org).

**Best Wishes to ASEI
Annual National Convention**



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Avinash Rachmale
President

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About Dr. Hans Bajarla

Dr. Bajarla was a world renowned problem solver and educator. His expertise was in the area of statistical problem solving and process control. He had been passionately engaged in his profession for the last two decades through the engineering and management consulting firm Multiface, Inc. he founded in 1978.

His educational background includes a Ph.D. in Mechanical Engineering from Michigan Technological University, an M.S. from North Dakota State University, and a B.S. from Gujarat University (India).

Dr. Bajarla received numerous prestigious awards including Man of the Year in 1980 from the American Society of Quality, the Gold Award in 1982 from the Engineering Society of Detroit, and Engineer of the Year in 1976 from Rockwell International.

His publications include several technical papers on quality control and problem solving. In 1991, he co-authored a book titled "Statistical Problem Solving".

He was affiliated with organizations such as ASEI, ASQ, ESD, SME, and SAE. Dr. Bajarla served as the President of the ASEI - Michigan Chapter in 1995. He was one of the founding members of ASEI and Chairman of the ASEI National Board in 1984.

Dr. Bajarla was a compassionate human being with a deep sense of community service, a sharp sense of humor, and a passion to help others. He is survived by his wife and long time partner, Niru Bajarla, and two daughters, Seema and Sona Bajarla.



DR. HANS J. BAJARIA (1943 ~ 2001)

The Dr. Hans Bajarla Problem Solving Excellence Award® 2002

The Dr. Hans Bajarla Problem Solving Excellence Award is an annual award given to an individual or a team who has resolved a challenging problem.

The problem solution should involve statistical problem solving tools, follow a process, and the solution should ultimately alleviate the problem. The problem resolution should be officially accepted and implemented in its environment.

Statistical Problem Solving

Statistical Problem Solving (SPS) is a systematic process for finding the most efficient path to problem resolution and permanent improvement. The distinct power of SPS lies in its ability to handle the unmanageable.

SPS strategically applies statistical methods to reduce inherent variation in process output. As an improvement science, SPS deals with process variables by identifying, prioritizing, and evaluating them, followed by optimizing their approximate best settings. Through five logical steps, SPS rapidly finds the variable combination to solve the problem at hand.

Award Logistics

To qualify for the Award selection process, the problem should be submitted to the ASEI - Michigan Chapter's Hans Bajarla Award Committee. The submission should include a summary document and technical paper.

The Dr. Hans Bajarla Award will be facilitated through the ASEI - Michigan Chapter for 2002 and presented to the winner at the 19th ASEI National Convention. The convention will be held at the Holiday Inn, Livonia on Nov. 16th 2002.

Contact Information

ASEI - Michigan Chapter
Attn. Awards & Scholarship Committee
P O Box 87676
Canton, MI 48187

e-mail - awards@aseimichigan.org
visit - www.aseimichigan.org

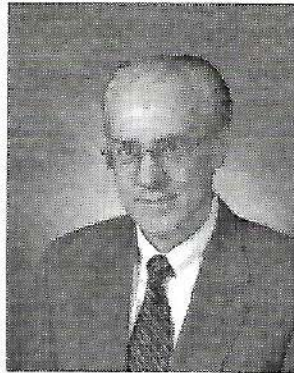
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Remembrances of Dr. Hans Bajaria, by Bill Carlson

Honesty

Hans was impeccably honest.

Hans would not 'drag out a project' just to make more money, but would instead inform his customers that they should discontinue the project unless the proper supporting factors were in place (e.g., be allowed to improve a process that was causing a problem).



This attribute of 'honesty' was a basic part of his professional life, and was integral to Hans' ability to solve quality problems, improve processes, etc., because he focused on the 'facts required to make the necessary improvements', without regard to how it might effect his income, etc. For example, in some cases the customers did not want to hear the news that Hans was conveying, but Hans would deliver the news in an accurate and non-threatening manner, even if it meant he would not get additional consulting work.

Willingness to Assist Without Pay to Improve the Quality Profession

Another basic attribute was Hans' willingness to provide professional assistance, without charging for the advice and help, and which he provided to many people. For example, on many occasions, I would call Hans to discuss questions that I had on Quality, Reliability, ISO 9000, Problem Solving & Prevention, Statistics, and other issues. Without exception, Hans would quickly respond with his suggestions and offers of assistance. This willingness to provide free advice is seldom seen in the ranks of Consultants, but it was an everyday occurrence with Hans.

By the way, Hans was available to assist seven days a week, either at home or in his office.

Willing to help others on a personal basis

Hans was also willing to help others on a personal basis. One example that I recall was when a friend of mine (in the Chicago Area) called me to say that his sister and her husband were moving to the Detroit area (from India) and would need to find the husband a job. I immediately thought of Hans and asked him for his suggestions on getting a job for my friend's brother-in-law. After some discussion, Hans invited my friend's sister and her husband to his house to discuss how best to get a job for the husband. Shortly thereafter, the husband did have a job, thanks to Hans' assistance.

Unique Teaching and Coaching Abilities regarding the Quality Discipline

Hans had a unique gift for teaching and coaching the theory and practical application of the Quality Discipline. Hans used 'Popular Culture and everyday life examples' to illustrate his points in simple terms that his students would remember and be able to apply later.

Also, the student often thought that he was being entertained rather than taught, due to Hans' unique and humorous presentation style.

Serviceability Lecture:

Although the following will not do justice to Hans' unique presentation style, I will list a few examples of a '15 minute lecture' which Hans presented on "Serviceability" during a course on "Quality Engineering".

Hans began the lecture on Serviceability with a brief summary of the objectives of Serviceability (e.g., if a part in a system is going to need replacement during the useful life of the system, then the replacement process needs to be made appropriate regarding time, tools, costs, and required expertise, etc.). Hans then gave a practical example of Poor Serviceability from his own life, an example that virtually everyone in the class could personally identify with and remember (i.e., would be able to keep in mind when they got back to their jobs).

The example that Hans presented was a simple replacement of his personal car's headlight which had burned out. The replacement began on a quiet Sunday afternoon, when Hans estimated that the job would take 15 minutes.

However, when his wife asked him how long it would be (since she was preparing a meal!), Hans used his engineering judgement and added a Factor of Safety of 2 to the time, and replied that he would be done in 30 minutes.

Then, his wife, having had some experience with other repair projects, added on her own Factor Of Safety of 3 to Hans' estimate, so that she wouldn't have the meal prepared too early. (This is how Hans set up the story, and it was much funnier hearing it from Hans than reading the above.)

After looking over the outer surfaces around the headlight, Hans set about gathering the tools that he thought might be necessary, some screw drivers (Phillips and straight in various sizes), some pliers just in case he needed them, etc. Upon removing the screws that held the outer trim ring over the headlight (fairly easy job, except that the screw driver did slip off the screw once and scratched the paint), the actual headlight retention ring was revealed. The headlight retention ring had quite a lot of rust around the screws holding it on, so Hans decided to proactively loosen the rust before trying to loosen the screws (this was on a two year old car—already had rust on a serviceable assembly).

Hans then went back into the house to find something to loosen the rust with and eventually found some WD 40 to use, since he did not want to drive to a local K Mart to buy a rust removal product. By this time, 20 minutes had elapsed, but it looked like the job wouldn't take much longer. After applying the WD 40, Hans selected the correct sized Phillips Head screw driver and tried to loosen the first screw, and with some difficulty did loosen it. Then, while trying to loosen the second screw, the screw driver rounded out the screw head and would not loosen the screw. At

Continued on the next page

this point, Hans thought that it should not be much of a problem, since all he had to do was loosen the third and final screw, which would then allow him to bend the retaining ring away from the headlight so that he could remove the headlight.

He then went to work on the third screw, and after some additional WD 40 and careful use of the screw driver, he was able to loosen the third screw. Hans then proceeded to remove the two loosened screws, but the retaining ring was under some tension and when the first screw was fully loosened, it popped out of the retaining ring and fell down inside the car's fender assembly, out of sight. At this point, Hans was beginning to get worried about his time estimate, since he was now 40 minutes into the project and had just lost a screw. (Of course, Hans' delivery made this extremely entertaining and humorous---these words simply don't do the delivery justice).

After successfully removing the third screw, Hans went back into the house and informed his wife that he would be done shortly, but had to get a 'drop light' to help him find a screw that had been dropped (of course Hans mentioned that his wife knowingly acknowledged his predicament, and had privately placed a factor of safety of 3 on Hans' time estimate---all of which was extremely funny). Hans then found a light to help him search for the missing screw, and eventually found it lying at the bottom of a tight crevice in the fender assembly, regrettably not retrievable with his hand. After thinking things over, he remembered that he had purchased a thin magnet which was on a long handle, and he thought he might be able to retrieve the screw using the magnet. However, he couldn't remember exactly where he had stored it, so it took another 20 minutes to find the magnet.

Hans then used the magnet, and was eventually able to retrieve the screw. Then, Hans bent the retaining ring so that he could remove the headlight and did so. Finally, he was ready to install the new headlight, but he had now spent over 90 minutes on the project and his wife again asked him how soon he would be done (Hans of course made this extremely funny, and mentioned all the frustration involved to further illustrate the point of the poorly designed headlight system for serviceability and called on those who could positively effect the proper design of serviceable systems to do so in the future). Hans then ended the story with the successful headlight replacement, tool storage, and clean-up after approximately 120 minutes of work (which exceeded his original estimate by 8 times due to the poor serviceability of the system).

This Serviceability Lecture by Hans was so simple, and so descriptive, that no one in the class could not have been personally affected by the absurdity of the poor serviceability described. In addition, Hans then described some simple solutions to the problem including ensuring that the attachment screws do not rust and perhaps that the headlight should be removable without having to remove an external trim cover. I believe that everyone in the class, if ever faced with a Serviceability Design Decision after the class, would definitely remember the need to design-in serviceability.

Use of Popular Culture Examples:

Hans would also use examples from 'popular culture' such as TV and the movies to illustrate his points. One example that I remember involved Hans describing the different styles that were often taken for 'Problem Solving'. Hans described a 'brute force' approach which he equated to Clint Eastwood in the "Dirty Harry" movies, where brute force is used to solve the problem. Hans pointed out that this approach does not usually work well in Manufacturing Problem Solving because the person with the most power (highest position) will be the person with the solution (even if the solution is not the best). Another approach that works much better is to take the Peter Falk approach from the TV series "Columbo", where the problem solver asks 'innocent questions' from the 'experts' and essentially 'plays dumb' until he has solved the problem.

By using these 'popular culture' analogies, Hans was able to more effectively convey the benefits and deficits of various methodologies to his students and to those whom he worked with as a consultant. Of course, the analogies were also presented in an entertaining manner, which assisted in effectively conveying the key points that Hans was making.

Hans' Deep Understanding of the Quality Body Of Knowledge

In addition to the above attributes, Hans also had a deep understanding of the technical aspects involved with the "Quality Body Of Knowledge", including Statistics, Engineering, Manufacturing Processes, Testing, Simulation, Business Processes, etc. Also, Hans demonstrated an unquenchable thirst for gaining a better understanding of the issues and technologies involved in his various projects, which meant that Hans was not only well grounded on basic principles, but also current on new technologies and business practices.

More than one "Quality Practitioner" considered Hans a "Genius in Quality", and this opinion is reflected in the many awards that Hans won from industry and professional organizations such as the American Society of Quality. Of course, when you combine the above with Hans' positive and cheerful manner, it was always a positive experience to be involved in a project with Hans or to take a class taught by Hans.

Hans is missed by the Quality Profession and by those who knew him.

Background Notes:

Bill Carlson first met Hans Bajaria in 1992.

Over the next nine years their mutual professional activities included:

--Hans taught the following Courses attended by Bill Carlson:

- ASQ Certified Quality Engineer Refresher Course*
- ASQ Certified Reliability Engineer Refresher Course*
- Statistical Problem Solving Course*

--Manufacturing Problem Solving at the Detroit Axle Plant

--Consultations on Reliability, Durability, Quality, FMEA, ISO 9000,
Problem Solving & Prevention, and other topics.

Bill Carlson has a Ph.D. in Systems Engineering, is a Registered Professional Engineer, has certifications from the American Society of Quality (ASQ) for Certified Quality Engineer and Certified Reliability Engineer, and is currently employed as a Senior Manager of Quality Systems and Process Development at DaimlerChrysler Corporation in Auburn Hills, Michigan.

Searching for Truth by Chuck Pugno, Chrysler, August 30, 2001

Hans, my friend, my associate
I shed some tears for you today.
I just found out, too late
You had passed away.

Amazingly this day, before I knew
You had left us forever
I spoke your name to one or two
About your quality endeavors.

You helped me solve a technical problem
But taught me so much more.
To me you were an emblem
Of what we should live for.

You searched for the truth
With all your heart,
Fighting with 'nail & tooth'
Those who claimed to be smart.

You let data speak loud and clear
Instead of 'solutioneering' the end.
The significant ones didn't bring fear
As they might intend.

Our lunch at Mario's East Side
I still remember it well
Even though (you said) it was on the 'west side'.
You loved to joke, I could easily tell.

You asked me of my faith that day.
You wondered what 'new birth' meant.
I tried to explain in a simple yet profound way
The purpose for which Jesus was sent.

Thanks good doctor for leaving an example
Of the searching and striving for what's true.
Those you left behind are more full
Simply from knowing you.

Your friend, Chuck Pugno.

ASEI Michigan Chapter facilitated the Dr. Hans Bajaria Problem Solving Excellence Award Fundraiser on July 26th 2002.

The Award Committee will be formed during the first quarter of 2003. The nomination process and the award will be presented in 2003.

Supporters of the Hans Bajaria Award Fundraiser:

- Ashok Singhal
- Ashwin Asher
- Ben Ramnani
- Bhalchandra Sata
- Bhushan M. Kulkarni
- Bill Carlson
- Divyang Pandit
- Gnanadesikan Ramanujam
- Hari Bindal
- Hira L. Fotedar
- J. Shah
- Jagdish M. Agrawal
- Kamlesh Asher
- Kash Prakash
- Manthan Pandit
- Rabindra Kumar Rout
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- Raj Raja
- Ramu Ramamurthy
- Ravi Shahani
- Richard Copp
- Santokh S. Labana
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- A. Aerospace
- B. Architecture
- C. Business
- D. Chemical
- E. Civil
- F. Computer Science
- G. Electrical/Electronics
- H. Industrial
- I. Mechanical
- J. Sciences
- K. Other

11 Which of the following best describes your position

☐

- A. Consultant
- B. Engineer/Scientist
- C. Manager/Director
- D. President/VP
- E. Professor/Associate/Asst
- F. Programmer/Analyst
- G. Other Specify

12. Which of the following best describes your job function

☐

- A. Accounting/Finance
- B. Administration/Mgmt.
- C. Consulting
- D. Education/Training
- E. Drafting/Design
- F. Engineering
- G. Manufacturing
- H. MIS/DP
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With Best Wishes!

from

Yogi Anand, D.Eng, P.E. -- Principal/Consultant

ANAND Enterprises - Rochester Hills MI

Computers - Education - Engineering - Networking

yogia@hotmail.com mobil: 248-766-1546

and

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Satyam, including its joint ventures and subsidiaries, has a strength of nearly 10,000 IT professionals. They work onsite, offshore and offsite, providing customized IT solutions for companies in several industry sectors including Automotive, Telecommunications, Manufacturing, and Insurance.

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Listed on the NYSE, Satyam has a presence in 36 countries with development centers in major cities across the world. In India, these centers are located in Pune, Bangalore, Chennai, Hyderabad, and Bhubaneswar. With partnerships with 60 best-of-breed technology companies, we provide our services to a customer base of over 250 global clients. This includes over 40 Fortune 500 corporations, and 4 of the Fortune 10 companies.

Satyam is a truly global corporation in terms of reach, relationships, partnerships, people, and infrastructure. Ours is an Indian success story built upon the intelligence, hard work, and dedication of people who, once upon a time, would perhaps have been thrilled to work abroad. But who today enjoy a world class work environment with the comfort of being in their home country.

Come home to India, for right now, the world belongs to India and India belongs to you.



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When it comes to customer service, Iqbal Singh has three priorities – speed, quality and value. That means providing the right product to the right people at the right time. Singh is a member of Detroit Edison's Ethnic Marketing group. He's working with our Asian customers to serve their unique needs and preferences. Singh is a familiar face in the Asian community. Whether he's recording multicultural public service announcements or attending a civic function. He's building positive relationships with an important community. He's an expert on Detroit Edison's products and capabilities. That makes him highly qualified to connect customers with the right energy product to solve a business problem or meet a special need. It also makes him the perfect candidate to bridge the gap between a growing energy company and the diverse community it serves. As a Detroit Edison employee and an Asian, that's the best kind of customer service Singh can provide.

Detroit Edison



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