American Society of Engineers of Indian Origin

17th ANNUAL NATIONAL CONVENTION

Theme

"Vision 2000" - ASEI Salutes America

2 - 3 September 2000
Hosted by:
CENTRAL FLORIDA CHAPTER
ORLANDO, FLORIDA
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 U.S.A. and India
- A national professional organization with the goal of “service to its members”

ASEI ACTIVITIES

CAREER ENHANCEMENTS

- Provided 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

LIAISON WITH INDIA

- Establish working relationship with government and private organizations in India

CONVENTIONS & AFFILIATIONS

- Conduct Conventions throughout U.S.A.
- 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
MESSAGE FROM ASEI CHAIRMAN

3 September 2000

It gives me great pleasure to welcome fellow members, guests and honored speakers to the ASEI’s 17th Annual National Convention.

The theme of this convention, "Vision 2000- ASEI Salutes America", represents our true state of mind at this historic juncture in the technical and commercial arena. America, as we call this adopted home, has given the opportunity to participate in the development and growth of this nation to everyone, native born or immigrant. The revolution in Information Technology in past several years has been especially good for engineers from India, some of whom have joined the list of world’s richest people and more are working towards that goal.

Therefore, it is only appropriate that we celebrate this success and show our appreciation to this land, its people and the freedom to pursue our dreams.

Best Regards,

Ravi Singh
Chairman of the Board
2000 ASEI BOARD OF DIRECTORS

Ravi Singh
Georgia

Dharam Aggarwal
New York

Jagdish Agrawal
Michigan

Ravinder Bansal
New York

Ruplu Bhattacharya
Washington, DC

Om P. Bhola
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Rabindra Rout
Michigan

Dhirendra Saxena
Florida

Manohar Singh
Georgia

Paramjit Singh
Ohio

Baren Talukdar
Georgia
American Society of Engineers of Indian Origin (ASEI)
A NON-PROFIT, TAX EXEMPT ORGANIZATION, EST., 1983
P.O. Box 3327, Fairfax, Virginia USA 22038-3327, Phone/Fax: 703.273.5879, ASEI@ASEI.org

ASEI HQ BOARD OF DIRECTORS YEAR 2000

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Phone</th>
<th>Email</th>
<th>Term Expires</th>
</tr>
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<tr>
<td>Chairman</td>
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<td><a href="mailto:singhsab@mindspring.com">singhsab@mindspring.com</a></td>
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<tr>
<td>Vice Chairman</td>
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<tr>
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EXECUTIVE COMMITTEE

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<thead>
<tr>
<th>Position</th>
<th>Name</th>
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<tr>
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BOARD OF DIRECTORS

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<tr>
<th>Name</th>
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<tr>
<td>Gajanan Deshmukh</td>
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STANDING COMMITTEES

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<td>Senior Advisors</td>
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<td>Past National Chairman</td>
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Senior Advisors

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<th>Name</th>
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Past National Chairman

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2000 ASEI CENTRAL FLORIDA CHAPTER
EXECUTIVE COMMITTEE / NATIONAL CONFERENCE

Dhirendra Saxena
Convention Chair / Publicity

Vipin C Mehta
Vice President
Program/ Publications Committee

Vijay Sheth
Secretary/Treasurer
Membership / Registration Venue

Bhanu Engineer
Program/ Entertainment Committee

Jay Saxena
Golf Tournament
Public Relations/ Advertising Committee

Manoj Chopra
University Forum Committee

Ravi Mehta
Program Committee

Anu Saxena
Awards / Convention Souvenir Committee
American Society of Engineers of Indian Origin (ASEI)
A NON-PROFIT, TAX EXEMPT ORGANIZATION, EST. 1983
P.O. Box 6223, Lakeland, Florida USA 33807-6223, Phone: (863) 648-5435, DSSUS@aol.com

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MESSAGE FROM ASEI-CFC PRESIDENT AND CONVENTION CHAIR

3 September 2000

Dear Convention Attendees:

ASEI National Convention is the premier event for Indo American engineering professionals, executives, and students who need to stay ahead of the latest business and technology trends in Information Systems, Communications, as well as Environmental and Infrastructure Engineering. The appropriately selected millennium year convention theme "Vision 2000" - ASEI Salutes America suggests a wealth of talent and vision that are cornerstone to our professional distinction.

Indian Americans have done well in the education, medical, artistic, scientific, and entrepreneurial arena. We should now work on expanding our contribution to other areas of society, as a unified group. We must not hesitate to embrace the American way: come to this country, adopt the ways, prosper, and pay back through participation at every level. Furthermore, we should participate and enter the socio-political arena with the same degree of commitment as we have shown in our respective fields. There are over 1.5 million Indian-Americans, and their impact on engineering and technology, art and literature, and education and culture can be felt all across the nation. Indian-Americans are one of the most successful immigrant groups in the history of the country, and so embody and exemplify the ideals of the American Dream.

My job was made easy by my committee members: Vipin Mehta, Vijay Sheth, Bhanu Engineer, and Tim Madhanagopalan, who deserve special thanks. I must make special mention of Vipin Mehta who generously offered his resources in contacting some potential speakers. I am very thankful to him. Last, but not the least, my special thanks go to Ms. Natalie Hall who was instrumental in typing and compiling the beautiful souvenir for this convention.

Throughout the convention you will hear an array of academic and entrepreneurial leaders, as well as IT visionaries who will share their strategies and vision with you in conference sessions, and the numerous informal networking opportunities – breaks, meals, receptions.

In closing, as the chairman of this 17th Annual ASEI Convention, I thank all of the participants and wish them a very memorable and cherished experience.

Sincerely,

Dhiren德拉 Saxena (Sax)
Convention Chair
Water and Sewer Systems
Drainage and Flood Control
Road Construction
Low Level Wind Shear Alert Systems
Radio Communication Link Towers
Industrial and Commercial Buildings
Site Improvements

Paramount Contracting Company
Contractors-Engineers
7314 Southlake Parkway • Morrow, Georgia 30260
Phone (404) 961-7941
Fax (404) 961-7440
September 2, 2000

Dear Friends:

It is a pleasure to extend greetings to all attending the 17th Annual National Convention of the American Society of Engineers of Indian Origin (ASEI). We are delighted you have selected Orlando as the site of the convention this year. I understand your theme this year is “Vision 2000 - ASEI Salutes America.” This convention is the premier event for Indo-American engineering professionals, executives, and students who need to stay ahead of the latest business and technology trends in Information Systems, Communications, as well as Environmental and Infrastructure Engineering.

Florida is actively engaged in advancing technologies that will lend to business development and economic growth. From improving the marketability of communications technology, to supporting the development of a Network Access Point—a high-speed Internet switching station to speed communications transfers, Florida is poised to move swiftly ahead in this information age.

Our state is proud to host this convention, and we look forward to showcasing the hospitality that makes Florida the world’s destination of choice. Whether it is the beauty of our state parks, world-class attractions, or the miles of beaches, Florida offers an endless variety of enticements and remains one of the most dynamic and diverse destinations you can experience.

Best wishes for an enjoyable convention and a pleasant stay in Orlando.

Sincerely,

Jeb Bush

JB/hss
September 2, 2000

Dear Indian-American Friends:

It is my pleasure and privilege to extend greetings to the members of the American Society of Engineers of Indian Origin (ASEI) as you gather in the beautiful city of Orlando for your 17th Annual Convention.

"Vision 2000, ASEI Salutes America" is an appropriate theme as we embark on a new millennium, one which is certain to produce many new technologies and innovations in the field of engineering. It is my hope that the meetings and technical programs offered at this annual convention will generate pride in your heritage and your achievements in the field of technology. I look forward to the many innovations your membership will continue to develop in the 21st century.

Again, I wish all the members of ASEI and your families a very successful convention, and hope that you will have a chance to enjoy all that our "City Beautiful" has to offer. Welcome to Orlando!

Sincerely,

[Signature]

Bill McCollum
Member of Congress

BMCC:mch
MESSAGE

On the occasion of the 17th Annual Convention of the American Society of Engineers of Indian Origin, I extend my warm greetings to the Indian scientific and engineering community.

We are proud of the tremendous successes that the American scientists and engineers have achieved in this country and of their contribution to the US economy. We are equally delighted with the emotional links they maintain with their motherland.

Indo-US Science & Technology cooperation marked a new milestone with the signing of the agreement for the setting up of Indo-US S&T Forum during the recent visit of President Clinton to India. The Forum will facilitate and promote the interaction of government, academia and industry, in India and USA, in science and technology and allied areas. The Forum will promote research and development, transfer of technology, creation of a comprehensive electronic reference source and the electronic exchange and dissemination of information on Indo-US S&T cooperation. The Forum will also commission studies, reports and papers, facilitate and promote joint collaborative projects. I invite you to take advantage of the emerging opportunities and strengthen and promote Indo-US S&T cooperation.

I once again extend my greetings to the members of the ASEI and the scientists and engineers participating in this Conference, and wish the Conference all success.

(Naresh Chandra)
August 2, 2000

Dear Friends:

On behalf of the citizens of Orange County and the Board of County Commissioners, it gives me great pleasure to extend a welcome to the members of the American Society of Engineers of Indian Origin as you hold your 17th annual national convention. As you explore your theme, “Vision 2000 – ASEI Salutes America”, we also salute you and the contributions that engineers of Indian origin have made to our society.

We are proud of the many attractions and accommodations our area is able to provide to make your stay enjoyable and memorable. Our abundant natural beauty and the rich, cultural diversity of our citizens contribute to make ours a very unique and wonderful region. We hope your schedule will allow you time to sample the variety and vitality of our area and that you will return many times.

Thank you for choosing Orange County to hold your conference, and I send my best wishes for a successful event.

Sincerely,

Mel Martinez

MM/te
MESSAGE

I am delighted to learn that the American Society of Engineers of Indian Origin (ASEI) are hosting the 17th annual National Millennium Convention at Orlando Marriott from September 2-3, 2000. The theme of the annual convention has been appropriately titled as “Vision 2000, ASEI Salutes America” which clearly denotes the objectives of the organization to carry forward the image of India, ushering in better Indo-US relations. President Clinton’s recent visit to India had also charted out a vision for India-US relations and built an architecture to encompass that vision. Indian American Engineers in the USA have made tremendous contribution in forging ahead that vision and I am confident that the forthcoming visit to US of Prime Minister, Shri Atal Behari Vajpayee will further strengthen and contribute to the realization of that vision. In the present day scenario, the American Society of Engineers from India can play an important role in networking, career guidance, practical training and technology transfer to bridge the gap. The increasing prestige of the Indian community in the US has contributed immensely to the image of India as a nation. Many of you have taken upon yourself the responsibility of actually working for Indo-US friendship, prestige and adding luster to good Indo-US relations.

I have great pleasure in extending felicitations to the American Society of Engineers from India on this occasion and wish them all success in their future endeavours.

(Rinzing Wangdi)
Consul General
GREETINGS!

As Mayor of the beautiful City of Orlando, I would like to extend a personal welcome to the participants of the 17th Annual National Millennium Convention of the Central Florida Chapter of the American Society of Engineers of Indian Origin (ASEI). Orlando is honored to have been chosen as host city for the ASEI convention being held on September 3, 2000.

For those who are first time visitors, you are soon to discover that Orlando’s community is rich with opportunities for recreation, cultural entertainment, educational resources, and business enterprises. You will also discover what many others have already noted -- that is when it comes to service and hospitality, Orlando is second to none.

Best wishes for a very productive convention, and for the continued success of each of your members and businesses.

Sincerely,

Glenda E. Hood
Mayor
July 20, 2000

Dhirendra S. Saxena, P.E.
President ASEI-National
P.O. Box 6223
Lakeland, FL 33807-6223

Re: 17th Annual Convention of American Society of Engineers of Indian Origin
2-3 September 2000, Orlando, FL

Dear Mr. Saxena, ASEI attendees and delegates:

Thank you for the kind invitation to attend ASEI’s 17th Annual Convention September 2-3, 2000 as a guest speaker during the banquet. Much as I would enjoy participating in the program, I will be unable to do so because of a previously scheduled commitment.

As Mayor of the City of Lakeland, and on behalf of my fellow colleagues on the City Commission, I send our best wishes to the Lakeland based, Central Florida Chapter (CFC) of ASEI and all other attendees and delegates of ASEI, for a productive and informative meeting in Orlando, Florida.

Sincerely,

Ralph L. “Buddy” Fletcher
Mayor

RLF/irb
Lightel Systems Corp. a high tech optical networking company has great opportunities for core positions with equity compensation in the Washington DC suburbs.

Real-Time embedded Software Developers

Ideal candidates will have experience in several of the following:

- Structured Software Design Techniques
- Programming in C/C++
- Popular real-time kernels such as VxWorks, pSOS+, Linux
- MC860, MC750, ARM, MC683xx, Network Processors etc.
- Comm. Protocols such as TCP/IP, 8.323, MGCP, SIP, PPP, PoS
- Familiarity with SONET and GR-253.
- Familiarity with SNMP agent such as Epilogue, Emanate,

Fiber Optic Engineers

Master's or PhD in Fiber Optics/Photonics preferably with experience in DWDM/SONET and/or photonic devices. Comprehensive hands-on lab work required. Optical component manufacturing and planar lightwave circuit design skills a plus.

CONTACT: narakarnath@lightel.com or visit www.lightel.com
"Vision 2000" - ASEI Salutes America

CONVENTION PROGRAM

2 SEPTEMBER 2000 (SATURDAY)

11:00 AM – 5:00 PM
GOLF TOURNAMENT, DIAMOND PLAYERS CLUB, CLERMONT, FL
(Jayant Saxena, P.E.)

1:00 PM
TOUR ORLANDO – optional – upon request
VISIT CHURCHSTREET STATION – within walking distance
(Panna Sheth, Vijay S. Sheth)

1:00 – 6:00 PM
INFORMATION AND CONVENTION REGISTRATION
Hospitality – Garland Room – 2nd Floor
(Panna Sheth, Vijay S. Sheth)

6:00 PM
ICE BREAKER WITH DELEGATES
Legend Room – 1st Floor
Enjoy some indian snacks – Mingle with Conventioneers

9:00 – 11:00 PM
ACTIVITIES / CONVENTION HIGHLIGHTS
GENERAL BODY / BOD MEETING

3 SEPTEMBER 2000 (SUNDAY MORNING)

7:30 – 3:00 PM
REGISTRATION / HOSPITALITY

8:00 – 9:30 AM
OPENING SESSION (WITH BREAKFAST)
• Welcome / Convention Kickoff
  Dhirendra Saxena, P.E., Convention Chair
  Guest Speaker
  Indo-US Relations in Science and Technology
  Daljit Singh, Ph.D., Counselor (S&T) Embassy of India,
  Washington, D.C.
• General Session Speaker
  Never Give Up, Try, Aim High, and Carry On
  Nara Kamath, President/CEO, Lightel Systems,
  Chantilly, VA
• Day's Activities Summary
At the present velocity of the new economy, there is no time for second attempts; therefore we help build visions and ideas right the first time!

Welcome to the New World

...incase you haven’t noticed, the rules have changed...

Strategic & Management Consulting
Business Plan Formation
PR & Marketing

SUN LLC helping companies and entrepreneurs around the world,

Salutes

The American Society of Engineers of Indian Origin

- Ravi Mehta, Partner
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3 September 2000
(Sunday Morning Continued)

9:45 – 10:45 AM
SESSION A1
YOGA HEALING & MYSTICISM / MOTIVATION
Chair: Dhirendra S. Saxena, P.E., President, ASC geosciences, inc.
Lakeland, FL
- Yoga Healing & Mysticism
  Shamsher Prakash, Shamsher Prakash Foundation, Rolla, MO
  Paramjit Singh, President of Productive Group of Companies,
  Cleveland, OH

SESSION B2
NEW NASA PROGRAMS AND THE SPACE SHUTTLE
Chair: Bhupendra Delliwala, NASA, Kennedy Space Center, FL
- The International Space Station Program
  Shirish Patel, NASA, Kennedy Space Center, FL

10:45 – 11:00 AM
BEVERAGE BREAK

11:00 – NooN
SESSION A3
ENVIRONMENTAL ENGINEERING AND PROJECT MANAGEMENT
Chair: Tim Madhanagopal, P.E., DEE, Plant Reclamation Manager,
Orange County Utilities, Orlando, FL
- Environmental Engineering and Project Management
  Chennai Sewage Reclamation Project
  Rod Reardon, P.E., DEE, Sr. VP, Camp, Dresser & McKee
  Maitland, FL
- Effective Management of Stormwater
  M. Krishnamurthy, Ph.D., P.E.
  Manager, Storm Water Management Division, Orange Co, FL

SESSION B4
PROFESSIONAL ETHICS, BIOLOGICAL ENGINEERING, AND THE 34 DAY WONDER
Chair: Anupam Saxena, P.E. Executive Vice President, ASC
geosciences, inc., Lakeland, FL
- Professional Ethics for Engineers of Indian Origin
  Murthy V.A. Bondada, Ph.D., P.E., President, Atlantic
  Transportation Engineers, Inc., Winter Park, FL
- Biological Engineering: The Emerging Engineering Discipline
  Brahmp P. Verma, Ph.D., Professor of Agricultural Engineering
  University of Georgia, Athens, GA
- The 34 Day Wonder - Reconstruction of Runway 9R-27L
  Hartsfield Atlanta International Airport
  Subash Reddy, Senior Project Manager, R&D Testing &
  Drilling, Inc., Atlanta, GA

12:00 – 1:30 PM
LUNCHEON
BALLROOM C
Welcome / Comments by Mayor’s Representative (City of Orlando)
- Luncheon Featured Speaker
  The 21st Century EcoSystem
  Ravi Mehta, Partner, SUN LLC, Venture Consultants
  Winter Park, FL
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Ravindra V. Mehta, M.S., MBA
Vice President

Engineering for the 21st Century
1:45 – 3:15 PM

**SESSION A5**

**INFORMATION TECHNOLOGIES (IT) / E COMMERCE**

Chair: Akshay Singh, Anderson Consulting, Atlanta, GA
- **Current Trends in eBusiness**
  Mahesh M. Uberoi, Chairman, Uii Corp, Princeton, NJ
- **Advancing Internet Standards and Technologies**
  Akshay Singh, Anderson Consulting, Atlanta, GA
- **Business Process Re-Engineering**
  Raj Toleti, Founder and Visionary of Cytura, Orlando, FL

**SESSION B6**

**WEALTH MANAGEMENT AND IMMIGRATION ISSUES**

Chair: Vijay Sheth, DAYRON, a Division of DSE, Inc., Orlando, FL
- **Wealth Management**
  Steve Sitkowski, Financial Consultant, Empire Financial, Orlando, FL
  Dipak Shah, Insurance Agent, Empire Financial, Orlando, FL
- **Immigration Law for Professionals and Businesses**
  Chandler Sharma, Smith White Sharma & Halpern, Atlanta, GA

3:15 – 3:30 PM

**BEVERAGE BREAK**

3:30 – 5:00PM

**SESSION A7**

**UNIVERSITY FORUM (UCF AND UMCP)**

Chair: Manoj Chopra, Professor UCF, Orlando, FL
Facilitator: Tim Madhanagopal, P.E., DEE
- **Future of Civil Engineering**
  Manoj Chopra, Ph.D., P.E., Asst. Chairman, Civil and Environmental Engineering Department, Orlando, FL
- **Students Paper Contest**
- **How ASEE Can Help Indian Students in American Universities**
  Round Table Discussion

**SESSION B8**

**VISION 2000 – BUSINESS DEVELOPMENT; METAPHYSICS: BEYOND SCIENCE AND TECHNOLOGY**

Chair: Bhanu Engineer, P.E., Orange County Utilities, Orlando, FL
- **Developing Engineering Business and Working Overseas**
  Movva Reddy, Ph.D., P.E., President, MPR Engineering Corp., Longwood, FL
- **Vision 2000-Metaphysics: Beyond Science and Technology**
  Vipin Mehta, P.E., Vice President, New Era Spiritual Center, Orlando, FL

5:00 – 6:00 PM

**BREAK**
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17th Annual Convention
3 September 2000
(Sunday Evening)

6:30 – 7:30 PM  Social Hour (Cash Bar, Professional Exhibits)
(Batik Paintings displayed by local artist, Shalini Tandon)

7:30 – 9:30 PM  Banquet – Grand Ballroom – 2nd Floor
Master of Ceremonies: Bhanu Engineer, Life Member, ASEI-CFC
- Welcome
  Dhirendra Saxena, P.E., President, ASEI-CFC
- National Board Chairman’s Remarks
  Ravi Singh
- Address by representative of Orange County Chairman
- Dinner – Indian Cuisine – Buffet

Guest Speaker:
- Indo-US Relations and Role of Engineers
  Rinzing Wangdi, Consul General of India
  Houston, TX

Keynote Address:
- ASEI Salutes America
  Ravi Bansal, Ph.D. Founder, Chairman/CEO, AirSep, NY

Awards / Recognitions
ASEI National Awards
Anupam Saxena, P.E., Awards Committee Chairman, National
Golf Tournament Awards
Jay Saxena, P.E.
Vote of Thanks and Sponsor Appreciation Plaques
Dhirendra Saxena, P.E., President, ASEI-CFC

9:30 – Midnight  Entertainment
Music, Song, Dance
popular local music group – SURBAHAR

Please Note:
All “A” sessions will be in Ballroom A
All “B” sessions will be in Ballroom B
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YOGA HEALING AND MYSTICISM

BY SHAMSHER PRAKASH, SHAMSHER PRAKASH FOUNDATION, ROLLA, MO

Yoga means different things to different people. In reality, Patanjli’s Ashtang Yoga is a way of life, by which every human being can get physical, mental, and spiritual benefits irrespective of caste, color, religion, and beliefs by a very small input daily. Healing of physical and psychic pain comes through “Pranayama”, Pratayaha”, and “Dhayana”. The amount of healing is much more than the effort to put in. It has not been explained on usual scientific basis, but it has been experienced by yogis since prehistoric times. I have collected a limited case histories from my students. Spiritual matters begin with end of knowledge. The concept of “Maya”, “Neti-Neti”, and “Absolute-Surrender” leads to levels of Guru Nank, Dhanna Bhagat, Lord Jesus, and Legendary Drunkard! Spirit has to be experienced. It is beyond description. That is why there is mysticism about it. The above questions will be examined in this lecture.

MOTIVATION – DO YOU KNOW TURTLESE? – ME, INC.

BY PARAMJIT SINGH, PRESIDENT OF PRODUCTIVE GROUP OF COMPANIES, CLEVELAND, OH

YNMTYSYN0! This is turtlese... Do you know turtlese? If not, please come and listen to Paramjit Singh explain this very important concept, which will motivate you to move to your next level of achievement. In his presentation Paramjit will share how FEAR holds us back. When you realize that FEAR is nothing more than... False Evaluation Appearing Real. You’ll jump start your stagnating journey of SUCCESS by creating a new mindset and integrating it with your talents and values, to make this journey an enjoyable one. Come with an open mind and have a fun ride.

Your future depends on your attitude. The birth to the era of ME, Inc., which translates to individuals looking at themselves as entrepreneurs and not just employees. The only way to grow is to develop your expertise in meeting challenges and producing measurable results. Learn how in this session.

THE INTERNATIONAL SPACE STATION PROGRAM

BY SHIRISH PATEL, NASA, KENNEDY SPACE CENTER, FL

The Space Shuttle program has performed missions for the advancement of space exploration including the Hubble Space Telescope reservice mission, the STS-67/Astronomy-2 mission in 1995 and the STS-69/Wake Shield Facility free-flying experiment platform, which flew in the low vacuum of space. Future Space Shuttle missions will be used to service the International Space Station. These are known as the X-Programs and include docking procedures and flight paths from the Space Station. The Progress Supply Vehicle recently docked successfully with the Space Station and is attached to the station’s Zvezda Service Module, delivering clothing, computers, personal hygiene items, office supplies, food and fuel for the first permanent residents of the stations. The Progress will be unloaded by the seven-member STS-106 crew when it arrives at the Space Station in September. This will set the stage for the arrival of the station’s first permanent crew. The Space Station and Space Shuttle programs are expensive ventures, but there are many practical benefits to space exploration. Advances in space technology have a dramatic effect on technology on Earth. Benefits range from new ergonomic solutions for people who do repetitive work to industrial medical X-ray machines.
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ENVIRONMENTAL ENGINEERING AND PROJECT MILLENNIUM/CHENNAI SEWAGE RECLAMATION PROJECT
BY ROD REARDON, P.E., DEE, SR. VP, CAMP, DRESSER & McKee, Maitland, FL

Mr. Reardon is the project engineer for the design of the Chennai, India sewage renovation plant which will use tertiary treatment and reverse osmosis technologies to treat secondary effluent from two municipal sewage treatment plants to create a high quality industrial water supply. Scheduled for completion in 2002, the project will deliver 100,000 m³/day (26.4 mgd) of high quality reclaimed water to power plants, petrochemical and other industries in the Manali industrial area. When completed, the Chennai industrial water supply facility will be one of the largest of its type in the world.

EFFECTIVE MANAGEMENT OF WATER
BY M. KRISHNAMURTHY, PH.D., P.E., MGR, ORANGE CNTY STORMWATER MGMT DIV

Stormwater resulting from abnormal rain causes flooding, carries pollutants downstream and threatens ecosystem. Managing storm water in the USA is costly because of regulations adopted by local, state and federal agencies. Usually, storm water is being managed as a nuisance whereas it should be managed as a resource. Recently, Orange County, Florida, is undertaking steps to utilize stormwater to enhance the aquifer recharge. Stormwater reuse, though widely used in India, is still in its infancy in Florida. This presentation compares stormwater management practices in the USA with those used in India.

PROFESSIONAL ETHICS FOR ENGINEERS OF INDIAN ORIGIN
BY MURTHY V.A. BONDADA, PH.D., P.E., PRESIDENT, ATLANTIC TRANSPORTATION ENGINEERS, INC., WINTER PARK, FL

Usually, engineers do not give much importance to ethics because they do not face any ethical dilemmas during day-to-day work. However, as their responsibilities increase with experience in the areas, such as, project management, supervision of other employees, hiring and firing, business development, proposal preparation and presentation, and interfacing with clients, superior officers, prime consultants, subconsultants, and citizens, professional ethics play increasingly important role. Professional engineers, while performing their duties, should protect the health, safety, and welfare of the citizens without any compromise. Incompetent and unethical engineers cause physical and economic injury to the citizens.

The ethical standards of an engineer usually depend on four basic domains of the individual: personal attitude, understanding of universal principles, cultural background, and religion. An engineer of Indian origin, due to his/her cultural background, faces ethical dilemmas, which are not common to other engineers. Even within the engineers of Indian origin, ethical principles differ from first generation to subsequent generations due to the differences in the degree of cultural backgrounds. However, all engineers working and doing business in the US, irrespective of their cultural backgrounds and religions, should follow the ethical standards of their profession in the US. This presentation will discuss professional ethics for engineers in general and specific to the engineers of Indian origin.
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We believe that you should reap the benefits of investing, whether you choose to make your investment decisions yourself, online, or utilize the services of an experienced Mutual Fund Manager. Empire Investment Advisors, Inc., an affiliate of Empire Financial Group, combines innovation, technology and talent to select the most successful mutual fund programs to meet a variety of long term objectives. We want to help you make the most of your investment dollar by selecting the vehicles we feel will perform the best for your particular needs.

Steven Sitkowski - Aaron Hunziker
Hosted by: Dipak Shah, S&P Agencies, Inc.

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ABSTRACTS (continued)

BIOLOGICAL ENGINEERING: THE EMERGING ENGINEERING DISCIPLINE
BY BRAHM P. VERMA, PH.D., PROF OF AGRICULTURE, UNIV OF GEORGIA, ATHENS, GA

Biological engineering embodies a synthesis of both pure science as well as engineering. Recent advances in biological knowledge are creating opportunities for designing systems based on the principals of living systems. The presentation will focus on sharing ideas as to how biological engineering will be the discipline of the new century.

THE 34 DAY WONDER – RECONSTRUCTION OF RUNWAY 9R-27L HAIA
BY SUBASH REDDY, SR PROJECT ENGR, R&D TESTING & DRILLING, INC., ATLANTA, GA

The William B. Hartsfield Atlanta International Airport (HAIA) is the world’s busiest airport handling nearly 80 million passengers annually and serves major international and domestic markets around the globe. HAIA, owned by the City of Atlanta, is located on 3,750 acres located some 10 miles south of downtown Atlanta. Currently, some 34-passenger airlines and 23 all-cargo airlines serve HAIA. The airfield itself consists of roughly 5,000,000 sq yds of pavement and includes 4 parallel runways measuring from 9,000 to 11,889 ft long. These east/west runways handle over 2,000 daily takeoffs and landings.

The oldest runway at HAIA is the southernmost 9R-27L which was initially constructed some 27 years ago. Having been service well beyond its design life and now been subjected to deterioration caused by alkali-silica reactivity (ASR), the owner decided to remove Runway 9R-27L in late 1999 under an accelerated time-frame. A joint venture of major contractors proposed to remove and reconstruct the 9,000-ft long by 150-ft wide Runway 9R-27L in only 36 days. Because time was so critical, penalties for not meeting the construction schedule ran as high as $200 per minute. This presentation provides an overview of the reconstruction of Runway 9R-27L, while also focusing on issues relating to pavement condition, project specifications, and quality assurance measures.

THE 21ST CENTURY ECO SYSTEM
BY RAVI MEHTA, PARTNER, SUN LLC, VENTURE CONSULTANTS, WINTER PARK, FL

For the last several years, we've experienced what can be described as nothing less then a major shift in the global axis of business. In this offset, the world has seen tornadoes of capital run through homes and garages spinning off innovation after innovation, followed by volcanic eruptions of new IPOs. Terrifying quakes have shaken the very foundations that brick and mortars built themselves upon. Tidal waves have come crashing in one after another beginning with B2C, followed by an even larger B2B, with the largest B2A (Business to Anyone) still forming on the horizon. Technology and innovation have disrupted the ecological harmony, allowing digitization to reshape the landscape forming a New World with New Economies, and ultimately a New System. Now that the dust is beginning to settle, a New EcoSystem is emerging. We will explore what some of these changes are, what is yet to come, and how we can survive, compete, and evolve within this new 21st Century Eco System.
Dr. Shamsher Prakash
Yogacharya & President

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CURRENT TRENDS IN eBUSINESS

by MAHESH M. UBEROI, CHAIRMAN, UII CORP, PRINCETON, NJ

What does the future hold for the Internet? More importantly, what future does the Internet hold for Business and who will be the players! E-commerce has exceeded all estimates of sales and growth and through continuous break-through innovations, continue to surprise us all. As the landscape changes and the new world sets in, the role of the dot-coms, Brick & Mortars and other players will change significantly. In much of a Darwinist manner we will learn: 1) How Brick and Mortars should develop an e-commerce strategy and when they should convert to a Click and Mortar; 2) How countries like India will quickly become a major powerhouse in this new economy and play a significant role in forming the digital landscape; and 3) How immigration laws will affect the IT business in the US.

ADVANCING INTERNET STANDARDS AND TECHNOLOGIES

by AKSHAY SINGH, ANDERSON CONSULTING, ATLANTA, GA

What role will advances in the underlying infrastructure and standards of the internet hold for e-commerce and internet technologies and companies? What does the future hold for the Internet? More specifically, what are the implications of advances such as IPV6, advancing adoption of XML-based standards and intermediaries, wireless and distributed technologies, and what key opportunities are awaiting definition and shaping by tomorrow’s technology leaders?

BUSINESS PROCESS RE-ENGINEERING

by RAJ TOLETI, FOUNDER AND VISIONARY OF CYTURA, ORLANDO, FL

Business process re-engineering has evolved over the years with invention of various new productivity improvement tools. In today’s world where convergence of media in all industries is becoming a reality and where traditional Customer Relationship Management (CRM) is now e-CRM, this talk will elaborate on the use of next generation e-business software adoption for increased productivity and e-CRM.

WEALTH MANAGEMENT

by STEVE SITKOWSKI, FINANCIAL CONSULTANT, EMPIRE FINANCIAL, ORLANDO, FL

and DEEPAK SHAH, INSURANCE AGENT, EMPIRE FINANCIAL, ORLANDO, FL

The way he sees it, you’ve worked hard for you money. Now Steve will show you how you can put your money to work for you. That means you could be spending more on buying the stocks you want, because you’ll be spending less on making trades. Steve has developed a sensible long-term financial planning strategy that relies on common sense and logic to achieve your goals. His back-to-back approach incorporates a few simple concepts; learn more about where you money is going, focus on your investment goals, and work only with advisors who take a long-term approach to your financial future. He is currently authoring “The 30 Day Financial Personal Financial Planner” book and his talk will cover relevant financial management information, such as cash flow management, saving on insurance premiums, and Online investing.
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ABSTRACTS (continued)

IMMIGRATION LAW FOR PROFESSIONALS AND BUSINESSES
BY CHANDLER SHARMA, SMITH WHITE SHARMA & HALPERN, ATLANTA, GA

The presentation will cover three areas of interest to engineers and professionals. The first part of the speech deals with the different types of visas in the employment-based category, such as EB1, EB2, and EB3, the problems faced by the information technology industry pertaining to the shortage of people to fill the open positions, and the debate taking place in Congress concerning the issue of increasing the number of H-1 visas. The second part will cover the numerous legal issues involved in starting a business, especially pertaining to people on temporary visas who are interested in forming their own company. Final part will discuss the strategy and the planning of legal contracts to avoid foreseeable disputes and claims and the best ways to prevent misunderstanding among the parties involved when a contract is drafted.

THE FUTURE OF ENGINEERING
BY MANOJ CHOPRA, PH.D., P.E., ASSISTANT CHAIRMAN, DEPARTMENT OF CIVIL & ENVIRONMENTAL ENGINEERING, UNIVERSITY OF CENTRAL FLORIDA, ORLANDO, FL

Not available

DEVELOPING ENGINEERING BUSINESS AND WORKING OVERSEAS
BY MOVVA REDDY, PH.D., P.E., PRESIDENT, MPR ENGINEERING CORP., LONGWOOD, FL

Working overseas requires an understanding of the local regulatory climate, cultural practices as well as engineering practices, and in addition, the most critical element is understanding project financing and local decision-making processes. There is a great demand for engineering services; however, the mechanism for financing these projects is non-existent or dependent on multi-lateral financial institutions such as the World Bank. In the United States engineers are used to off the shelf design items for equipment specifications and whereas overseas there may be the demand for fabricated products. Movva Reddy has experience in developing and managing engineering projects in the United States, Eastern Europe, and Indonesia. He was also involved in project development in the power sector in India. He will be speaking on his past experiences and provide insight in understanding the project development and management aspects of overseas engineering endeavors.
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Science and Technology have made substantial progress in the 20th Century and these advances have created an abundance of material wealth, comforts to humanity and shrunk time and space. But at the same time, they have increased the risk to humanity of great disasters and extinction. But they cannot deliver happiness, peace, and harmony to mankind. We are at the threshold of the 21st Century and the Third Millennium. This Mystic exploration of Vision 2000 will take you into the journey of the 21st Century, where Metaphysics and Spirituality will create a new Man and a whole new world. Science and technology will be at service to humanity. Man can consciously create his own reality, and will be master of his own destiny and not a victim of fate (Beyond Karmic Law). This exploration will discuss the tools and techniques of consciously creating success with Love, Joy, and Fun. So join with us in this Metaphysical Exploration of the 21st Century.
GUEST SPEAKER: INDO-US RELATIONS IN SCIENCE AND TECHNOLOGY
DALJIT SINGH, PH.D., COUNSELOR (SCIENCE AND TECHNOLOGY), EMBASSY OF INDIA, WASHINGTON, DC

Dr. Daljit Singh, a gold medallist chemical engineer with a Ph.D. from the University of California at Berkeley, is presently the Counselor (Science and Technology) at the Embassy of India, Washington, D.C. Dr. Singh is a former Professor of Chemical Engineering at Panjab University in India. Dr. Singh has an excellent and distinguished academic record. He secured the topmost position, with Distinction, in the B Tech Chemical Engineering examination at Panjab University and set up a new record of maximum marks obtained. He has over 100 publications and numerous awards and honors to his credit. He is a Fellow of the American Institute of Chemists and the Indian Institute of Chemical Engineers; also served as office bearer of several professional organizations; Member of various technical panels of the Indian Society of Technical Education/All India Council of Technical Education on Chemical Engineering, Plastics and Allied disciplines; Member of several Advisory Committees of State Governments of Punjab, Haryana and Chandigarh, and their industries and Agro-Industries Corporations; Member of several professional advisory committees of universities and engineering colleges in India. Dr. Singh is a recipient of the Commendation Medal and Certificate of the Indian Society of Agricultural Engineers. He is also the recipient of a UNESCO/UNDP Fellowship for his work on Energy, Chemicals and Polymers from Agricultural Residues; and the Fulbright Fellowship for work on Energy from Agricultural Residues – Net Energetics of Biomass Production and Conversion.

GENERAL SESSION SPEAKER: NEVER GIVE UP, TRY, AIM HIGH, AND CARRY ON
NARA KAMATH, PRESIDENT/CEO, LIGHTEL SYSTEMS, CHANTILLY, VA

Nara Kamath is the visionary inventor of the Lightel Architecture and Technology and the chief designer of Lightel’s product lines. Nara has over 25 years of experience in engineering management, product management and technology analysis and planning. He has developed central office and PBX systems for Nortel Networks, GTE and Stromberg Carlson/United Technologies. Nara was the project engineer for the Air Force One Strategic Command Network Interface hardware and software single product design deployed in the late 80’s in the Command Post network that supported voice, data (sync and async), fax, encrypted/unencrypted traffic, auto baud, and external clock/ internal clock operations with ultra high fault-tolerance and reliability. In addition to his product development experience, Nara was product manager for packet switching and network management products at Telenet Communications Corporation. He has an M. S. in Computer Science and Operations Research from Cornell University, Ithaca, New York, and Bachelor of Engineering in Electrical Engineering from Mysore University, India.
Luncheon Featured Speaker: The 21st Century EcoSystem
Ravi Mehta, Partner, SUN LLC, Venture Consultants, Winter Park, Florida

Ravi Mehta is a partner in SUN LLC, a venture capital and management consulting firm based in Orlando, Florida. Ravi was a former executive in Modis Technologies, Inc., a software consulting company specialized in the areas of knowledge management, information services, Internet, and virtual reality, which was sold earlier this year. He now spends his time in community development and guiding entrepreneurs and sits on the boards of several high-speed, up-and-coming technology start-ups. Ravi holds a MS in Engineering from the University of Central Florida and an MBA from Crummer Graduate School of Business, Rollins College.

Guest Speaker: Indo-US Relations and Role of Engineers
Rinzing Wangdi, Consul General of India, Houston, TX

High Commissioner Rinzing Wangdi joined the Indian Diplomatic Service in 1971 after completing his Graduation (Honors) in Political Science and Economics from Presidency College, Calcutta and Post Graduation from the National Defence College. He took over as Consul General of India in Houston in September 1998. The Jurisdiction of the Consulate General extends over 9 states in South and South East United States.

In 30 years in the Indian Diplomatic Service, Consul General Wangdi has had wide experience of both bilateral and multilateral work. Consul General Wangdi has held posts in Indian diplomatic missions in Copenhagen, Manila, Hong Kong, Phnom Penh, London and Zambia. He was also Special Envoy to Gambia, West Africa. He was High Commissioner of India in Zambia before coming to Houston, Minister/Acting High Commissioner in London, SpecialEnvoy of the Government of India to Gambian Charge d’Affaires e.p. of India in Phnom Penh, Counsellor/Acting Commissioner in Hong Kong, First Secretary/Charge d’Affaires in Manila. He also held position as Director, SAAR, Ministry of External Affairs, New Delhi, and Secretary to First Foreign Minister of SAARC. Director, National Defence College from 1982-85. High Commissioner Wangdi is widely traveled and speaks Tibetan, Nepalese, Spanish, apart from four Indian languages. He is married and has three children—two daughters and one son.

Keynote Address: ASEI Salutes America
Ravinder K. Bansal, Ph.D., Founder/CEO, AirSep, Amherst, NY

Dr. Bansal is the founder and Chairman and Chief Executive Officer of AirSep Corporation. AirSep Corporation began its operations as a manufacturer of medical and industrial oxygen generators in January 1997. Today it operates over $75,000,000 in annual revenues, employs 500 people, and has sales in over 100 countries around the world. Dr. Bansal earned his Ph.D. in Mechanical Engineering from the Georgia Institute of Technology in 1977. He has over 20 years of engineering, management, and marketing experience in oxygen generation technology. In 1993 Dr. Bansal was chosen to be the Entrepreneur of the Year for the Upstate New York Region by INC magazine.
SESSION CHAIRS

SESSION A1: YOGA HEALING & MYSTICISM / MOTIVATION
DHIRENDRA SAXENA, P.E., PRESIDENT/CEO, ASC GEOSCIENCES, INC., LAKELAND, FL

Mr. Dhirendra Saxena earned his B. Tech. Hons. in civil engineering from I.I.T. Kharagpur and M. Eng. from NSTC, Canada. For over 35 years his work assignments have taken him throughout the US and abroad. A firm believer in service to the public and the profession of engineering, Sax has been a resident of Florida since 1970. In 1984 he started a small consulting engineering company in the garage of his home. As a result, ASC geosciences, inc., a Florida based geotechnical and geoenvironmental firm with 70 plus employees that celebrated its 17th anniversary in the year 2000. Author of over 30 technical papers and a successful entrepreneur, Mr. Saxena was the recipient of Outstanding Service to the Engineering Profession award by the Florida Engineering Society in 1996. He is also a Fellow of National Academy of Forensic Engineers (NAFE), Florida Engineering Society (FES), and American Society of Civil Engineers (ASCE). Both of his sons, Anupam and Jayant, are geotechnical engineers with ASC. Mr. Saxena and his wife make their home in Lakeland, Florida.

SESSION B2: NEW NASA PROGRAMS AND THE SPACE SHUTTLE
BHUPENDRA H. DELIWALA, SENIOR FLIGHT SAFETY ENGINEER,
NASA, KENNEDY SPACE CENTER, FL

Mumbai born, Deliwala completed his B.S. chemical engineering from Banaras Hindu University and an M.S. in chemical engineering from Wayne State University, Detroit. He recently acquired the Master of Engineering Management degree from UCF. Currently he is continuing his studies for MBA.

Following completion of 10 years of major private industries experience, he joined NASA at Kennedy Space Center and worked in various capacities in various division. He has worked on advanced projects such as Mission to Mars, X-34, X-37, X-38, shuttle modifications projects, Heavy launch vehicles project, and Liquid fly back boosters project to name the few. Recently he has worked in Safety and Mission Assurance division as a senior Facility Safety Engineer followed by Senior Flight Systems Safety Engineer. He is responsible to approve the processing of payloads at Kennedy Space Center and providing the input to the management for flight readiness. He has participated in the independent assessment review panel for Mission to Mars for the Kennedy Space Center. He has also participated in various independent accident investigation review panels. He continues to work for NASA and is the first Indian Origin Engineer to be hired at NASA/KSC.

Bhupendra and his wife, Pallavi B. Deliwala, MD, a pediatric physician have two sons and they reside in Oviedo, Florida, a suburb of Orlando.
SESSION CHAIRS
(continued)

SESSION A3: ENVIRONMENTAL ENGINEERING AND PROJECT MANAGEMENT
TIM MADHANAGOPAL, P.E., DEE, PLANT RECLAMATION MANAGER, ORANGE COUNTIES UTILITIES DEPARTMENT, ORLANDO, FL

In his role as Plant Manager in Orange Counties Utilities Department, Tim is responsible for operations and maintenance functions of the award-winning Eastern and Northwest Water Reclamation Facilities, reclaimed water system, wetlands management, industrial pretreatment, environmental compliance program and contract operations. He has more than 22 years experience in Civil/Environmental Engineering field. He has B.E. in Civil Engineering from University of Madras, M.S.C.E in Environmental Engineering from Wayne State University and an MBA from University of Central Florida. He is a registered Professional Engineer in Florida, Diplomat of the American Academy of Environmental Engineers (DEE) and has Qualified Environmental Professional (QEP) and Industrial Pretreatment Certifications. He is affiliated with AWWA, WEF, NSPE, APWA, AAEE and IPEP. He recently served as Chairman of the Professional Engineers in Government practice section of Florida Engineering Society. He has received Albert Herndon Award from Florida Water Environment Association for his contributions in Industrial Pretreatment field in Florida, Government Engineer of the Year Award from Florida Engineering Society, Environmental Initiative Award from Orange County Chairman and District Award of Merit from Boy Scouts of America for his services to youth in central Florida.

SESSION B4: PROFESSIONAL ETHICS, BIOLOGICAL ENGINEERING, AND THE 34 Day Wonder
ANUPAM SAXENA, P.E., EXECUTIVE VICE PRESIDENT, ASC GEOSCIENCES, INC., LAKELAND, FL

Anu Saxena, P.E., serves as Executive Vice President of ASC geosciences, inc., a Florida-based geotechnical engineering consulting firm. ASC has been a Florida 100 firm for 2 consecutive years and is also a India Abroad VII 100 company for the last 3 years. Mr. Saxena received his BSCE from the University of Florida in 1987 and a Master of Engineering (Civil) from Cornell University in 1988. He has worked on projects in the United States, Scandinavia, and Caribbean. His focus at ASC has been on geotechnical design, quality control, construction inspection, and aviation services. He has authored or co-authored over 10 technical papers for presentations in Asia, North America, and Europe.
SESSION CHAIRS
(continued)

SESSION A5: INFORMATION TECHNOLOGIES (IT) / E COMMERCE
AKSHAY SINGH, ANDERSON CONSULTING, ATLANTA, GA

Akshay Singh is a member of Andersen Consulting, and currently is serving as Manager of Web Services at a division of Allstate in Chicago, IL. Andersen Consulting is a leading Management Consulting and Business & Technology integration consulting firm with 65,000 employees in the U.S. and 100,000 worldwide. Akshay holds an undergraduate degree from the State University of New York at Buffalo. He earned an MBA from SUNY-Buffalo and specializing in Finance and MIS. His current responsibilities involve leading a team that maintains a key website with Business to Business functionality on multiple technology platforms, including Silverstream, IPlanet, Domino, IIS, COM, and CORBA. Current projects include integration of website infrastructures, implementation of new web application and content management tools, and incorporation of these with Insurance Industry XML standards and new XML based Business to Business application and associated corporate and/or Insurance Agent portal.

SESSION B6: WEALTH MANAGEMENT, AND IMMIGRATION ISSUES
VIJAY SHETH, DAYRON, A DIVISION OF DSE, INC. ORLANDO, FL

Mr. Sheth is a project manager for DAYRON, a division of DSE Inc, a nationwide contracting company with operations in Orlando. His past experience includes an association with Boeing, Lucent Technologies, and Tenneco Inc., He is the author of "Materials Handling & Facilities Planning", published by Marcel-Dekker inc., and also "Industrial Engineering Practices" published by Macmillan, India, Ltd.

SESSION A7: UNIVERSITY FORUM (UCF AND UMCP)
MANOJ CHOPRA, PH.D., PROFESSOR, UNIVERSITY OF CENTRAL FLORIDA, ORLANDO, FL

Dr. Chopra obtained a bachelor of technology degree from BITS Pilani and came to the US for his graduate studies in 1986. He then obtained his doctorate in Civil Engineering from SUNY at Buffalo in 1992. He joined the faculty of Civil and Environmental Engineering at the UCF in 1993. He is an Associate Professor and serves as the Assistant Chair of the department. He is the faculty advisor for the student chapters of ASCE and FES and is a past-advisor to the Indian Student Association SANGAM. His area of expertise is Geotechnical Engineering. He has published numerous journal articles and co-authored two books.
SESSION CHAIRS
(continued)

SESSION B8: VISION 2000—BUSINESS DEVELOPMENT: METAPHYSICS: BEYOND SCIENCE AND TECHNOLOGY

BHANU ENGINEER, ORANGE COUNTY UTILITIES, ORLANDO, FL

Bhanu Engineer graduated in Civil Engineering in 1963 and has over 37 years of experience in various civil engineering fields of which over 30 years in water and wastewater engineering. He has worked 5 years in India, 9 years in Zambia and 23 years in United States. Bhanu is active in non-profit community services organizations. He has served in Jaycees, Rotary, Gujarati Samaj, India Associations, Hindu Society and Asian American Organization. He served as a Chairman of Asian Advisory Board to the Mayor of Orlando from 1991-1995. He is happily married to wife Lalita. They have 3 children. Hetal (30) MBA, Mamata (24) MD, Punam (20) Junior at UCF; and a grand daughter Myna (1).
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Desh Deshmukh, President & CEO
4225 Trowbridge Street, Suite 101
Fairfax, VA 22030-8113; WWW.SA-TEC.COM
Tel/Fax: 703-273-1326/5879; Desh@SA-TEC.COM
ASEI - Why?

Selecting a title for a message is quite a deliberate and painstaking task that all of us face many times. I selected this one because this has been asked many times by our perspective members. To answer this I scanned through some 50 editorial and presidential messages of several engineering journals. It was no surprise to note that this is not unique for ASEI but is common to many other engineering associations. Among all the messages the one I liked most is from William C. Zegel, President of Air and Waste Management Association. "As we think of associations, the image of a flock of flying birds comes to mind. A flock fly in a "y" formation when they are going any significant distance. Scientists tell us that this formation reduces the drag for the individual bird and the whole flock adds about 70 percent more to its flying range than would be possible if each bird flew on its own".

As the theme of this convention indicates engineers are the intellectual capital -the knowledge that runs the world. The quality of life and economic vitality of the world depends significantly on advances in engineering and application of technology. Today the technology is changing at a pace that takes one's breath away. In order to preserve and increase this capital, one needs to learn continuously, upgrade skills and adapt to new situations. It is no longer sufficient to go to work, do your job and go home. In a time of these drastic changes, it is the learners who will inherit the future and find themselves equipped to live in a world of future. These professional demands come at a time of upheaval in the employment landscape. Global competition has sparked a wave of downsizing in technology firms and destroying much of the job security that engineers used to take for granted.

The ASEI is a flock of engineers of Indian origin that share a common direction and sense of the Indian community and can get where they are going more quickly and easily because they will be flying on the thrust of each other. As the old adage goes "Birds of common feather flock together". The key to the formation is networking. Engineering professionals of Indian origin have contributed significantly towards our modern world, yet most people do not know much about them. And here lies the lack of flying in the "y" formation. It is incumbent on these professionals to think of where they have been and where they are headed. In addition to educating ourselves, we must also educate the public and the lawmakers about ASEI. Participation in ASEI is an investment in time and money that yields great returns. Benefits to the members are listed elsewhere in this souvenir. You can assign your own dollar values to these benefits. The equation works. The greater your level of participation, the greater your level of return. So start the process of involvement now.

About the Author
Dr. Chandrika Prasad, is Senior Advisor to ASEI
# Summary of Previous ASEI Conventions and Themes

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<td>2001</td>
<td>Atlantic City, NJ</td>
<td>We Share Our Success</td>
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</tbody>
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## Be True To Yourself

People are often unreasonable, illogical, and self centered; **Forgive them anyway.**

If you are kind, people may accuse you of selfish, ulterior motives; **Be kind anyway.**

If you are successful, you will win some false friends and some true enemies; **Succeed anyway.**

If you are honest and frank, people may cheat you; **Be honest and frank anyway.**

What you spend years building, someone could destroy overnight; **Build anyway.**

If you find serenity and happiness, they may be jealous; **Be happy anyway.**

The good you do today, people will often forget about tomorrow; **Do good anyway.**

Give the world the best you have, and it may never be enough; **Give the world the best you've got anyway.**

— *source unknown*

With compliments of

**Saxena Family** (Dhirendra, Anupam, and Jayant) - Lakeland, Florida

**Bhola Family** (Om and Gaurav) - Orlando, Florida

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BIRTH AND FOUNDING OF ASEI

The concept of ASEI took place at a Christmas party at Mr. Jagdish Agrawal's house in Detroit, Michigan where a doctor friend informed about the formation of an American Association of Physicians from India (AAPI). Telephone calls made the next day yielded consent from over 50 people and over 150 signatures were obtained in a signature campaign. A meeting was held on May 5, 1983 that attracted about 30 Engineers and Scientists. After some discussions, a resolution to form the organization was passed. The name American Society of Engineers from India (ASEI) was selected from several proposed names at this meeting. (The name was later changed to American Society of Engineers of Indian Origin, retaining the acronym ASEI, in 1995 to accommodate Indian born outside India). An ad-hoc committee was formed to plan a kickoff and to hold the first election. The kickoff was held on September 9, 1983, which attracted over 300 people with over 75 becoming members that evening. Mr. Bagla, Minister for Economics, representing the Embassy of India in Washington DC, gave an arousing inaugural speech.

Mr. Navin Pandya wrote the constitution and bylaws that was signed by twenty-six founding members (see list). All worked very hard in the early development of ASEI. The 10th Annual Convention Souvenir provides the listing of all board and committee members for the first nine years. Dr. Hans Bajaria helped SEI register with the IRS and with the state of Michigan as a nonprofit education organization. Soon, the group started a quarterly newsletter. The ASEI original logo was selected from contest entries. The logo consisted of symbols representing India and USA, a compass, a handshake, and a slogan “Jyano Sarvopari”, encircled with name and year of establishment of the organization (Later, the logo was changed to the current “link of two circles” in 1991, based on ASEI-NCC newsletter “Link”).

ASEI grew to over 400 members from about 20 states and became a very popular organization with two years. It held its first eight annual conventions in the Detroit area only. After the establishment of ASEI-NCC in Washington DC in 1990, it was decided to hold the 9th ASEI national convention in Herndon, VA in the year 1992. After that, the 10th national convention was held in Huntsville, AL, 11th in Detroit, MI, 12th in Bethesda MD, 13th in Detroit MI, 14th in Atlanta, GA, 15th back in Herndon, VA, and the 16th in Niagara Falls., NY. The Year 2000 convention is being held in Orlando, FL.

FOUNDING MEMBERS

Aggarwal, Gian
Agrawal, Jagdish
Anand, Yogindran
Bagga, Kalyan Singh
Baluja, Satya P.
Basu, Subhas C.
Beri, Subhash C.
Bindal, Hari Babu
Dashairya, Bhagwan Das
Deo, P.D.
Gopinath, V.S.
Gupta, Kuldeep K.
Janveja, Gian C.

Kapadia, Nuruddin H.
Khatri, Rajaram
Kohli, Ravinder
Modur, Bhashar
Muddappa, Sampathkumaran
Pandya, Navin
Patel, Manilal
Paulose, K.C.
Prasad, Jaldhar
Rohatgi, Umesh Babu
Shah, Jayprakash B.
Sharma, Ramesh C.
Yedavally, Somyajulu P.

ASEI Salutes the Founder and Founding Members!

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**American Society of Engineers of Indian Origin**

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

**Membership Form**

1. Name: Dr./Mr./Mrs./Ms.
   - Last
   - First
   - Middle Initial

2. Type of Membership
   - A. Regular $30/year
   - B. Life $250
   - C. Student $10/year
   - D. Corporate $250/year

3. Spouse: Dr./Mr./Mrs.
   - Last
   - First
   - Middle Initial

4. Home Address:
   - Street
   - City
   - State
   - Zipcode
   - Phone

5. Self-employed?
   - Yes
   - No

6. Employer:

7. Office Address:
   - Street
   - City
   - State
   - Zipcode
   - Phone
   - Email

8. Years of Experience:
   - A: 0 - 1
   - B: 1 - 5
   - C: 5 - 10
   - D: 10 - 20
   - E: 20+

9. Highest Educational Qualification: (Choose only one)
   - A. Bachelors
   - B. Masters
   - C. Doctorate
   - D. Post Doctorate

10. Educational Background: (Choose all that apply)
   - A. Aerospace
   - B. Architecture
   - C. Business
   - D. Chemical
   - E. Civil
   - F. Computer Science
   - G. Electrical/Electronics
   - H. Industrial
   - I. Mechanical
   - J. Sciences
   - Z. Other (specify)

11. Which of the following best describes your position?
   - A. Consultant
   - B. Engineer/Scientist
   - C. Manager/Director
   - D. President/VP
   - E. Professor/Associate/Assistant
   - F. Programmer/Analyst
   - Z. Other (specify)

12. Which of the following best describes your job function?
   - A. Accounting/Finance
   - B. Administration/Mgmt
   - C. Consulting
   - D. Drafting/Design
   - E. Education/Training
   - F. Engineering
   - G. Manufacturing
   - H. MIS/DP
   - I. Purchasing
   - J. Quality/Process
   - K. R & D
   - L. Sales/Marketing
   - M. Telecommunications
   - Z. Other (specify)

Membership dues and other contributions to ASEI are tax deductible.
Please make your check payable to ASEI and mail to:

ASEI-Central Florida Chapter
P.O. Box 6223
Lakeland, Florida 33807-6223
Phone/Fax: 863.648.5435
e-mail: dssus@aol.com

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American Society of Engineers of Indian Origin
Membership Benefits Guide

Networking
ASEI offers a unique opportunity to you to make contacts and network with fellow professionals who share your interests. Networking leads to mutually beneficial opportunities and relationships.

Convention
Each year ASEI holds a nationwide annual convention. Conventions and workshops are also held locally by each chapter. Recognition is provided to outstanding people through awards.

Local Chapter Meetings
Local chapters provide members the opportunity to meet each other, network, and generate new ideas. Attend career development seminars, build beneficial relationships, and learn from each other. Chapter meetings are geared towards the needs of the members. Periodically, plant tours, mini-conventions, and development workshops are conducted. Monthly programs emphasize business/consulting topics, career development topics, or immigration/interviewing/resume topics, depending on the chapter membership interests.

Committees
Committees are charged with the responsibility to accomplish specific ASEI goals which are common to all chapters. Committees can also be looked upon as the R & D arm of the chapters. Committees develop programs or workshops that can be used at the chapter level or at annual conventions. Members are encouraged to actively serve on committees.

Career Enhancement
ASEI assists each member by career planning and enhancement assistance. Two key programs are customized workshops (at local chapter meetings and at the annual convention) and mentoring programs to personally discuss career issues.

Membership Directory
The ASEI directory helps you find fellow members. Information is also available on company affiliations and expertise. The directory is updated annually. ASEI sends a free directory to all members.

Employment Directory
Referral assistance is provided to members looking for work. Employers are encouraged to recruit ASEI members through job fairs and to meet their minority hiring goals.

Publications
ASEI plans to make available publications on relevant subjects such as career development, tech transfer and immigration to its members. These publications will be developed by ASEI committees.

Corporate Membership
Corporate membership is open to companies actively engaged in engineering, architecture and related arts and sciences. Benefits include up to $150 credit toward your first display ad in the monthly newsletter, exclusive access to a no-fee professional employment placement service, a $100 credit toward your first display ad in the annual convention brochure, discounted rates for exhibit space at annual and local conventions, and a Corporate Member listing in the membership directory.

Technology Transfer
ASEI assists Indian and U.S. companies by bringing together technology experts in the desired industry. Lists of experts, businesses and technical articles are maintained. Technology liaison is maintained with Indian organizations and with other associations in the U.S.

Trade Assistance
ASEI plans to acquire and catalog trade laws and policies. Facilitation assistance is provided to trade delegations from Indian or to U.S. companies.

Business and Consulting
This committee assists business and consulting firms in areas of mutual interest.

Student Affairs
ASEI assists students by providing scholarships, opportunities for contact with businesses (job search), in immigration matters (workshops) and other beneficial services such as resume writing, career planning and individual guidance and mentoring.

Newsletters
The newsletter is sent to all members and is intended to be informative and educational. It communicates key events and news.

Scholarships and Awards
Student scholarships are awarded based on merit and need. ASEI recognizes outstanding individuals for their professional and entrepreneurial contributions.
<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>City</th>
<th>State</th>
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<td>451 Plum Hollow Lane</td>
<td>Maitland</td>
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Membership Types

| A | Regular |
| B | Life    |
| C | Student |

and Current Status

| A | 28 |
| B | 12 |
| C | 1  |
Images from Buffalo, ‘99

Lunch Session (I.I.T. Kharagpur Alumni)

General Session

Breakfast Keynote Speaker

Ice-breaker / Mingle / Social Hour
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<td>Ground Water Sampling</td>
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<td>Mud Buggy Access</td>
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17th ANNUAL CONVENTION

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ATLANTA * BIRMINGHAM * CHICAGO
Mayor's Proclamation
City of Casselberry

Whereas, Florida is a state blessed with citizens who are dedicated professionals in the engineering field and included in these distinguished ranks are the proud members of the American Society of Engineers from India (ASEI); and

Whereas, with a membership of more than 1,200 members in thirteen chapters across the country, the American Society of Engineers from India provides a variety of valuable services for its members, including networking career guidance, practical training, technology transfer, and the promotion of the image of the Republic of India and professionals of Indian origin; and

Whereas, the 17th Annual Convention of the American Society of Engineers from India is being held September 2-3, 2000 in Orlando, Florida and is being hosted by ASEI's Central Florida Chapter; and

Whereas, featuring the special theme, "Vision 2000, ASEI Salutes America", the convention brings together engineers, scientists, entrepreneurs and students who will participate in several technical seminars; and

Whereas, Florida is pleased to join in welcoming those who are attending this Annual Convention with open and appreciative arms, as we applaud their noteworthy contributions and wish them the best of success as they share in camaraderie and discussion.

NOW, THEREFORE, I, BRUCE A. PRONOVOUST, by virtue of the power vested in me as Mayor of the City of Casselberry, Florida, do hereby proclaim September 3, 2000 as

AMERICAN SOCIETY OF ENGINEERS FROM INDIA DAY

in the City of Casselberry, Florida and encourage all citizens to join in the recognition of this professional organization.

WITNESS WHEREOF, I have hereunder set my hand and caused the Seal of the City of Casselberry, Florida to be affixed this 3rd of September, 2000.

Bruce A. Pronovost
Mayor

ATTEST:

Thelma McPherson, City Clerk
from I.I.T. Kharagpur Alumni

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<th>Name</th>
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<td>Paramjit Singh</td>
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<td>Satish Mohan, Ph.D.</td>
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