

St. Louis Section News

February 2006

February 2006 Event

ASME St Louis dinner and technical presentation

THE TALE OF THE SCALE

Thursday, February 16, 2006
Dr. Sridhar Condoor, Event Captain (314)-977-8444

Solly Angel, the author of *The Tale of The Scale: An Odyssey of Invention* [Oxford University Press 2004] will talk about the trials and tribulations he encountered and the important design, engineering, and business lessons he learned in his long journey to invent a quarter-inch thin personal scale that weighs one pound and could be used on one's travels, when overeating is at its peak. Mr. Angel will use his individual story - as well as relevant literature - to focus on the myriad of issues that confront individual inventors, from the intricacies of mechanical engineering to product development, marketing, and negotiation.

In the mid-1980s, Solly Angel had a technological mini-vision. He saw in his mind's eye a quarter-inch thick personal scale weighing a pound--a travel scale--and he decided to make it a reality, to bring it to market. *The Tale of the Scale* is a rare first-person account of the process of invention and design as it unfolds in the remaking of the familiar bathroom scale. It is rare because inventors seldom have the inclination to articulate their thought processes and to recount their experiences in great detail. Angel, an urban planner by profession, had no mechanical skills as he embarked on his journey. *The Tale* records his transformation, over the course of a decade, from a bungling ignoramus to an expert on thin scales. Listen to Angel's unfolding story, and learn about the intricacies of invention and design as Angel finds them. The pursuit of the thin scale takes the inventor to fascinating places inhabited by people with diverse yet complementary outlooks on the invention process--engineers, designers, lawyers, product development specialists, and corporate functionaries.

Solly Angel is an international authority on housing policy in developing countries. He is a senior policy advisor to the UN, the World Bank, and the Inter-American Development Bank. He teaches urban planning at New York University and at Princeton University.



Date: Thursday evening, February 16, 2006.

Time: 5:30 - 6:00 pm Reception and social.
6:00 pm Dinner and Service Award recognition.
6:30 pm. Speaker's presentation.

Location: St. St. Louis University, Busch Student Center Building on east side of N. Grand Blvd., Room 173

Dinner Choice 1 - Chicken dijon, tossed salad, parsley buttered new potatoes, cauliflower, carrots, and broccoli blend, dessert cobbler- apple, peach, cherry, or blackberry

Dinner Choice 2 - Pasta primavera, St. Louis style salad, parsley buttered new potatoes, cauliflower, carrots, and broccoli blend, dessert cheesecake with strawberry sauce.

Cost: \$20 for members, \$25 for non-members.

Parking: Park in Laclede Parking Garage on Laclede Street on west side of N. Grand Blvd.

Directions: From hwy 40/64, go north on Grand Boulevard to intersection with Laclede Street.

Reservations: Reservations required by 5:00 pm on Monday, February 13, 2006 by telephone Dr. Sridhar Condoor 314-977-8444 or by email Condoor@slu.edu. PDH cert. upon request.



Information: For more details, contact program captain, Dr. Sridhar Condoor.

Message from the Chair

Please join us at the upcoming
ASME-STL Board Meetings

6:00 p.m. Tuesday, February 7th 2006
6:00 p.m. Wednesday, March 8th 2006
6:00 p.m. Tuesday, April 4th 2006
at Laclede Street Bar and Grille
3818 Laclede Avenue
near Saint Louis University Campus

James Campbell
St. Louis Section Chair

ASME-STL Section Programs for the year 2005-2006, Sridhar Condoor – Vice Chairman

Wednesday March 15, 2006 at 6:00 p.m. technical presentation and tour: **Systems & Electronics Inc. (SEI)**
SEI is a full service supplier of diversified defense products and support for the U.S. military and other customers. Look for more details in the March newsletter. Room will be limited so make your reservations early. For more details, contact the program captain, Jim Campbell at (618) 283-4700 ext 260 or at jim.c@vansealcorp.com.

April 19, 2006: Professional Tour
Captain: Angela Berring
Location: Six Flags

May 2006 date TBA: Professional Tour and Technical Meeting
Speaker: Brain Computer Interfaces, Dr. Daniel Moran [Tentat.]
Captain: Tom Bever

FIND YOUR FELLOW ASME MEMBERS

ASME enables you to find other members at ASME website: <https://members.asme.org/myasme/membershipsearch/searchmembership.cfm> - With this link, you can find members of any section, technical division, or membership grade, along with name, address, email and telephone contact information shared for use in ASME society and professional affairs.

ASME STL SECTION NEW WEBSITE

ASME St. Louis Section has a new website
<http://section.asme.org/stlouis/>

Please visit the new website for current St. Louis section information and for archives of St. Louis section historical information. Major categories presented on the new website include Events, Newsletters, Local Schools, Links, Jobs, Officers, Constitutions, and Past Chairs.

BALLOT FOR 2006/2007

Nominating Committee Election

ALL ASME ST. LOUIS SECTION MEMBERS

A slate of nominations for the Nominating Committee is listed below as voiced at our January event program. We will be electing nominees to serve on the nominating Committee. The Committee will be formed to submit nominations for next years officers. As per the by-laws of the section, two members from last year's nominating committee and three new members are to be elected to this year's nominating committee.

Choose TWO of following members of Nominating Committee from previous year. Mark the box next to the candidate's name:

- Thomas Bever.
- Betty Bowersox.
- James LaBlance.
- Thomas Mull.
- John Saufnauer.

Choose THREE of new candidates for Nominating Committee for next year. Mark the box next to the candidate's name:

- Angela Berring.
- Duane Meyer.
- Dr. Sridhar Condoor.
- Dr. Swami Karunamoorthy.
- David Henkelmann.

Voting Member Name: _____

Signature: _____

ASME Member Number: _____

Ballots may be dropped off at our February event. Or send in your hardcopy ballot before Monday March 6th, 2006. Send to:
Secretary- ASME STL Section
285 Turnberry Place, Apartment L.
Saint Peters, Missouri 63376
Angela Berring at 618-258-2214
or vote online at our new website
<http://sections.asme.org/stlouis/index.nom1.shtml>

ASME & AIChE Joint Membership

Now current ASME members can join AIChE and get the benefits of membership at a one-third discount through our special joint membership offer. In order to qualify, you must be a paid member of ASME. For more details on AIChE membership and benefits, visit www.aiche.org.

ASME STL Mail / Return Address

ASME St. Louis Section.
c/o The Engineers' Club of St. Louis
4359 Lindell Blvd.
St. Louis, MO 63108

ASME DISTRICT C STUDENT CONFERENCE IN ROLLA, MISSOURI

The University of Missouri – Rolla Student Chapter of the American Society of Mechanical Engineers (ASME) has been selected to host the 2006 ASME District Student Conference in Rolla, MO on **March 3rd, 4th, 5th, 2006**. We would like to invite your company to participate in this event.

Colleges and universities from **Illinois, Iowa, Indiana, Kansas, Kentucky, Missouri, Minnesota, Nebraska, North and South Dakota, Wisconsin, and Canada** are expected to participate. Our goal is to bring over 500 students to this conference as well as a number of the professional members of ASME.

The three-day conference will consist of several professional and social events. Friday night will begin the conference with a test of quick creativity in an impromptu design contest. A student design competition, a technical poster competition, an oral presentation competition, and a variety of workshops will be held on Saturday. Also, Saturday will include a job fair and an evening social event. The weekend will end with a Sunday brunch and banquet to recognize the accomplishments of the competition participants and ASME student chapters. Additional information about the competitive events is listed below along with websites that will provide more information about each event.

Student Design Competition:

<http://www.asme.org/students/Competitions/designcontest>
This year's student design competition is to design and demonstrate a well-tested, cost-effective, and reliable prototype apparatus, which would allow a quadriplegic to accurately cast a fishing lure using a specified rod and reel.

Oral Presentation Competition:

<http://www.asme.org/cma/og/oralprescontest.html>
Judges will be evaluating presenters in the following four categories: content, organization, delivery and effectiveness, and discussion. Topics are technical in nature and are chosen by the presenters.

Technical Poster Competition:

<http://www.asme.org/cma/og/techposter.html>
This poster competition for the Regional Student Conferences is designed to emphasize ability to deliver visual presentations. Judges will evaluate the posters on specific criteria.

Because of the large scale of the Student Conference, we must look to industry for support. There are several ways that industry is able to help in hosting our conference:

- Providing Financial Support
- Providing judges for the Old Guard oral presentation competition
- Providing judges for the Old Guard poster competition

Included on the following pages are breakdowns of sponsorship levels and the corresponding benefits offered.

Our goal is to raise over \$15,000 to enable our Student Section to host this event while keeping registration costs low. This would allow for more students to attend and provide for a more successful conference than ever before. Please note that ASME is qualified as a 501(c)3 charitable organization, so donations made to ASME may be deductible for United States income tax purposes. We can contact you by phone shortly to discuss any questions you may have. The UMR Student Section of ASME thanks you in advance for your interest and support of our engineers of the future. Please contact either: **Eric Reuther**, ASME Student Conference Chair, asme@umr.edu.

Dr. Brad A Miller, ASME Student Section Advisor, millerba@umr.edu, (573) 341-6354

If your company would like to become a sponsor, listed below are several donation options. The conference is not-for-profit, but has been established for the growth and advancement of the engineering students involved.

Platinum Sponsorship - \$3000+

- Benefits of the Gold Sponsorship Level, plus
- Recognition as sponsor of a specific event (meal or social)
 - o Company name listed on itinerary
 - o Company logo on banner at event
 - o Verbal recognition of sponsorship during announcements
 - o Company fliers distributed (provided by sponsor)
- Attend awards banquet (4 people total)

Gold Sponsorship - \$1500+

- Benefits of the Silver Sponsorship Level, plus
- Attend awards banquet (2 people)
- Company logo on:
 - o Conference T-shirt

Silver Sponsorship - \$750+

- Benefits of the Bronze Sponsorship Level, plus
- Table at job fair

Bronze Sponsorship - \$250+

- Company logo on:
 - o Conference Packet
 - o Banquet Program
 - o University of Missouri – Rolla ASME Web page

If any funds remain after the Student Conference, they will be used at the discretion of the University of Missouri – Rolla ASME student section as support for many activities, including but not limited to, bi-weekly meetings and outreach events.

Send Sponsor Information and check payable to University of Missouri - Rolla ASME and mail to:

Dr. Brad A Miller, Faculty Advisor for ASME
Department of Mechanical and Aerospace Engineering
University of Missouri-Rolla
1870 Miner Circle, Rolla, MO 65409
Ph: 573-341-6354 Fax: 573-341-6899

ASME Programs Prioritization for FY07

The Board of Governors has developed a ranking of future programs compiled by the Strategic Management Committee. The Board of Governors has charged the Strategic Management Committee and the Committee On Finance and Investment with recommending the sunset of 3-5% of the annual budget. The purpose of sunsetting is to make funds available for more promising programs. Please note that programs at the bottom of the list will not necessarily be the first to be recommended for reduction or sunset:

	Program	Sector/Relative Rank	
1	Strategic Initiatives & New Products	Strategic	100.0
2	Nuclear Codes and Standards (with CA) (C&S)	C&S	92.6
3	IPTI - Offshore Technology Conference	Institutes	92.4
4	Boilers and Pressure Vessels (with CA) (C&S)	C&S	90.4
5	Development of New Tech, Globalization, China	C&S	89.0
6	IPTI Technical Programs & Specialty Confernc	Institutes	87.4
7	CEI Distance Learning and Educational Prods	Institutes	85.3
8	Elevators & Escalators (with CA) (C&S)	C&S	84.5
9	IGTI - TurboExpo	Institutes	83.8
10	ATP - Technology Seminars (Bioprocess)	Institutes	81.7
11	Center for Research & Technology Developm	K&C	80.3
12	Piping (C&S)	C&S	80.2
13	EMCI - Certification and Exam	Institutes	80.0
14	Strategic Issues, Opportunities & Knowledge	Strategic	79.6
15	CEI - Short Courses	Institutes	79.1
16	CEI - In - Company Courses	Institutes	78.1
17	Technical Programs	K&C	77.6
18	BOG Meetings	Governance	76.1
19	ATP - Fuel Cells	Institutes	75.9
20	IGTI - Gas Turbine User Symposium (GTUS)	Institutes	74.1
21	ATP - Nanotechnology	Institutes	74.0
22	Process Industries (with CA) (C&S)	C&S	74.0
23	IGTI - Education Courses and Workshops	Institutes	73.6
24	K & C Operations and Support	K&C	73.4
25	Industry Advisory Board	Strategic	72.9
26	Government Relations	Strategic	72.5
27	ATP - New Initiatives	Institutes	71.8
28	Sector Management Committee	Governance	71.1
29	Conference Management Technical Support	K&C	71.0
30	IPTI - Special Events	Institutes	65.0
31	Professional Development	Centers	64.9
32	Unit Leader Training	K&C	64.6
33	Early Career Engineer Development	Centers	62.5
34	Performance Test Codes (C&S)	C&S	62.0
35	Valves, Fittings, Flanges, and Gaskets (C&S)	C&S	61.8
36	Drafting, Limits Fits, & Symbols (with CA)(C&S)	C&S	61.2
37	CEI - AICHE Continuing Education Programs	Institutes	60.1
38	Unit Seed Funds	K&C	57.4
39	Unit Performance & Incentive Funds	K&C	54.9
40	Diversity and Outreach	Centers	53.2
41	Other Lifting Devices (C&S)	C&S	50.7
42	Sales & Support Services	Enterprise	50.2

43	Dimensional Standards (C&S)	C&S	49.5
44	Section Appropriations - Transitional	K&C	49.0
45	Public Awareness Initiatives	Centers	48.9
46	Communications (Enterprise)	Enterprise	48.6
47	Mechanical Engineering Magazine	Enterprise	47.8
48	Operator Qualification and Certification (C&S)	C&S	47.3
49	Student Development	Centers	46.9
50	Plumbing (C&S)	C&S	46.7
51	University Communities	K&C	45.8
52	Committee On Finance and Investment	Governance	45.8
53	Membership Development	Enterprise	45.6
54	Measurement (C&S)	C&S	45.5
55	Congress Technical Conference	Enterprise	44.5
56	Pre-College Education	Centers	42.7
57	Turbines (C&S)	C&S	42.5
58	Student Section Appropriations	K&C	42.2
59	Strategic Communications	Centers	41.3
60	ABET Accreditation & Engineering Education	Centers	40.6
61	Internship Hub	Centers	38.9
62	ASME News Online	Enterprise	38.2
63	Department Head Development	Centers	36.8
64	Student Section Leadership Training	Centers	36.6
65	Congress Exhibition	Enterprise	35.4
66	Ethics Program	Centers	35.3
67	Professional Licensure	Centers	34.8
68	Senior Volunteer Training	Centers	34.3
69	Nominating Committee	Governance	31.2
70	Tools (C&S)	C&S	31.2
71	ISO 9000 Registration (C&S)	C&S	30.4
72	History and Heritage	Centers	30.4
73	Old Guard Programs	Centers	29.4
74	Gov/Bus Mtgs at Summer Annual Mtg & Congr	Enterprise	28.4
75	Committee of Past Presidents	Governance	28.2
76	Committee On Honors	Governance	27.6
77	Distinguished Lecturers Program	Centers	26.1
78	Officer-Elect, Govnr & Nom Comm Orientations	Centers	25.3
79	Student Financial Aid	Centers	23.4
80	Congress Honors Assembly & Keynote Address	Enterprise	23.2
81	Committee On Organization and Rules	Governance	14.9

For more info see <http://bog.asme.org>

NSPE National Engineers' Week

Annual Rotary Club Luncheon

Thursday; February 23, 2006
Sponsored by the Rotary Club of St. Louis,

Participating engineering organizations:

American Council of Engineering Companies of Missouri,

American Public Works Association,

American Society Of Civil Engineers,

American Society Of Mechanical Engineers,

Associated General Contractors,

Engineers' Club of St. Louis,

Illinois Society Of Professional Engineers,

Institute Of Electrical, Electronics Engineers,

Missouri Society Of Professional Engineers,

National Society Of Black Engineers,

Society of American Military Engineers,

In addition, the following organizations have provided corporate support to many of the above organizations and to this event for Engineers' Week at the St. Louis Rotary Club:

Black & Veatch,

CH2MHill,

City of St. Louis Board of Public Service,

EDM Incorporated,

FRU-CON,

Horner & Shifrin, Inc.,

Howard R. Green Company,

Jacobs,

Metropolitan St. Louis Sewer District,

Parsons Brinckerhoff,

St. Louis District, Corps of Engineers,

URS Corp.,

This year's Rotary Luncheon to celebrate National Engineers Week will be on February 23, 2006 in the Missouri Room at the Missouri Athletic Club. The Rotary Club of St. Louis is pleased to dedicate this day to the recognition of Engineers Week.

The program this year will be an illustrated presentation by Mr. Chuck Reitter, Public Information Manager for the Lambert Airport Expansion Program. Mr. Reitter will give an update on the construction of the new runway and its scheduled opening later this summer. I know that many firms and organizations from the St. Louis region have contributed to the success of this important project, and it will be our pleasure to recognize them at the luncheon.

Location: The Missouri Athletic Club, "Missouri Room"
405 Washington Avenue, St. Louis, MO 63102.

The table for **ASME** members at the luncheon is organized by **Rhodes Equipment Company**. For more information call Bill Baker at 314-3532463, or fax at 314-351-1569, or email rhodesbb@aol.com.

The luncheon will begin promptly at 12:15 PM and end by 1:30 PM. Please plan to arrive by noon so that you can locate your reserved table and be seated by 12:15. Parking is available in the garage on St. Charles Street immediately north of the Missouri Athletic Club..

ASME 2005/2006 St. Louis Section Board

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