

Gateway News

American Institute of Aeronautics and Astronautics, St. Louis Section

<http://www.aiaa.org>

<http://www.me.wustl.edu/ME/orgs/aiaastl/>

FEBRUARY 2002

FEBRUARY MEETING

Project Risk Management

With

Mr. Miles T. Barnett, Jr., PMP
Anheuser-Busch, Inc.



Joint Society (AIAA/ASM)
Dinner Meeting
Thursday, Feb 21, 2002

Airport Marriott Hotel
(Parking will be validated)

Social	5:30 - 6:00PM
AIAA/ASM	
Business	6:00 - 6:30PM
Dinner	6:30 - 7:30PM
Program	7:30 - 8:30PM

The AIAA St. Louis Section and ASM International are pleased to feature Mr. Miles T. Barnett, Jr., certified Project Management Professional (PMP) with Anheuser-Busch, Inc., at our next dinner meeting. Mr. Barnett has been a project manager for over thirty years, starting with high technology military R&D projects in the mid seventies. He currently works for the Sales Analysis Systems Department, Management Systems Group, Anheuser-Busch, Inc. and previously served as President of Project Management Institute (PMI) of Metro St. Louis. Mr. Barnett will be discussing Project Risk Management and providing an overview of its major processes: **Risk Identification, Risk Quantification, Risk Response Development, Risk Response Control.**

Dinner Menu

Menu

Dinner Salad
Roast Sirloin of Beef
Wild Rice
Dessert
Coffee/Tea

Ticket Prices

\$20.00 for members
\$25.00 for non-members
\$15.00 for students
\$1.00 for Presentation only
(\$2.00 at door)
(Purchase After Feb 18, Add \$5.00)

Interested in Joining AIAA?
Contact Joe Stemler (232-3362)
for free ticket information.

Call for Tickets

Retirees and Public
John Mohr314-567-3398
Washington University
Mike Swartwout .314-935-6077
Parks College of
St. Louis University
Kay Bopp314-977-8240
University of Missouri - Rolla
Fred Nelson573-341-4613

Come Tour



American Airlines

Training Center

March 13th from 5p.m.-7 p.m.

Corner of Lindberg and Natural Bridge

Limited Access - Reservations Required

Cutoff date for Reservations is March 8th Limited number of seats available

Depending on the training center's schedule we should be able to see and participate in a combination of:

Full cockpit motion base simulator - including a new Boeing 717 simulator (flight time for participants not guaranteed).

Emergency procedures trainer they call "Shake and Bake" where you participate in an emergency evacuation.

Passenger compartment trainers.

For reservations and further information contact:

Dianne G.Milton at 314-233-6801 or dianne.g.milton@boeing.com

This event is co-sponsored by:



This is an open event, however, preference for reservations is given to AIAA and INCOSE members.

“SCENARIO PLANNING”

Mr. Mitch Pulwer, of Soluita, was the guest presenter at the joint AIAA /SAE/ INCOSE meeting on 15 January. Scenario planning provides structure and process in determining future trends in business. The technique involves evaluating a range of possible industry futures and identifies what would lead to each scenario. Scenario planning involves generating a number of future description of what the world would be like at some specific point in the future (usually 5 to 7 years out). The purpose of the scenario is not to predict the one true future, but to explore the range of possibilities and provide a tracking tool to determine in which direction the world is headed. The process asks the “what if” questions about the future and answers with a considered “then what?” An example cited was Shell Oil's early scenario planning that helped it recognize the oil crises of the 1970's and weather the crises while other oil companies struggled. Mr. Pulwer provided the attendees with a sample computer case that was addressed in workgroups and the results presented at the end of the meeting.

Additional information:

“The Art of Strategic Conversation” kees Van Der Heijden

“Scenario Planning: Managing the Future” Gill Ringland



“PILOT SAFETY MEETING”

The annual AIAA/FAA sponsored General Aviation Safety Seminar took place 19 January at a new venue this year. Due to security concerns the Safety Seminar took place at Cook Hall on the St. Louis University campus. A snowy morning greeted the 190 attendees but they were rewarded with plenty of coffee, Krispy Kreme donuts, and good aviation present-



tations. The program consisted of a panel of air traffic controllers answering local pilot questions and various presentations on aerodynamics, midair collisions, check rides, and medical readiness. The medical readiness presentation was especially entertaining with a well-acted video of an applicant with all 15 certificate rejection illnesses.



“MEMBER UPGRADE”

Now is the time to consider nominations for AIAA Associate Fellow, Fellow, and Honorary Fellow.

Associate Fellows shall be persons who have accomplished or been in charge of important engineering or scientific work, or who have done original work of outstanding merit, or who have otherwise made outstanding contributions to the arts, sciences or technology of aeronautics or astronautics. Nominees must be Senior Members with at least 12 years of professional experience (four years of post-graduate studies may be included, if applicable). Three AIAA member references with the standing of Associate Fellow, Fellow or Honorary Fellow are required. Nomination forms are due by 15 April; references are due by 15 May. Newly elected Associate Fellows receive a certificate and lapel pin. A list of newly elected Associate Fellows is published every January in Aerospace America.

Fellows shall be persons of distinction in aeronautics or astronautics, and shall have made notable valuable contributions to the arts, sciences, or technology thereof. Nominees must be of Associate Fellow status. Five references are required. Nomination forms are due by 15 June; references are due by 15 July. Newly elected Fellows receive a certificate and lapel pin and are honored at the Honors Night Banquet, in conjunction with the Global Air & Space Conference.

Honorary Fellows shall be Persons of eminence in aeronautics or astronautics recognized by a long and highly contributive career in the arts, sciences, or technology thereof. Five references are required. Nomination forms are due by 15 June; references are due by 15 July. Newly elected Honorary Fellows receive a certificate and lapel pin and are honored at the Honors Night Banquet, in conjunction with the Global Air & Space Conference.

To request upgrade information or nomination forms, contact AIAA customer service at 800-639-AIAA or 705-264-7500 or visit the website at <http://www.aiaa.org>.

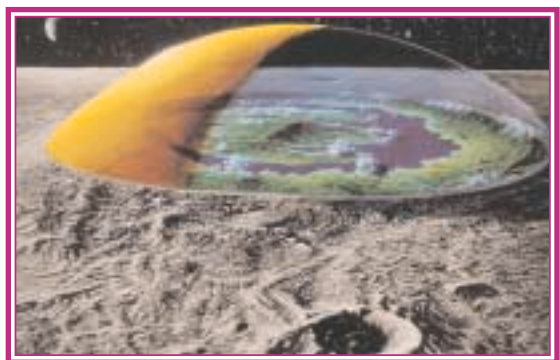
2nd AIAA Evolution of Flight Campaign Art Contest “2102 ... LIFE IN SPACE”

Students from all over the world, ages 5-16, should depict their vision of Life in Space. Artwork should be based on the theme “2102 ... Life in Space.” Imagine that in 100 years, mankind is living in space. Show examples of what you think "Life in Space" would be like - what would your school or home look like, would cars or food be different, what would vacations be like, what kind of pets would you have, or even show how society has benefited by living in space. Use your imagination!

The winning artwork will be featured on the AIAA Evolution of Flight web site and may be included in other promotional materials, including a traveling display. Prizes will be awarded.

Entries must be on an 8-1/2" x 11" sheet of white paper (no computer generated or three-dimensional art is eligible).

Write your name and age on the front of your entry in the bottom right corner in black marker ink. Have your parent or guardian fill out and sign the AIAA



Entry/Parental Contest form and mail the entire package to:

Attn: Kimberly Grant

1801 Alexander Bell Drive, Suite 500

Reston, VA 20191-4344

**Entries must be postmarked by 1 March 2002.
Entries postmarked after 1 March 2002 will not be considered in the contest.**

To find more information on the contest and rules, please visit http://www.flight100.org/what_intro.html

“STUDENT ACTIVITY”

Students get hands on experience

Future aerospace engineers take their first design steps in AE 320, Aircraft Performance, at St. Louis University. A glider design project was selected to enable students to evaluate aircraft performance. The selected glider performance required a glide of at least 50 ft. empty and 35 ft. with a 1 lb. Payload. Students calculated glider drag polars for both configurations and compared them with existing gliders. Finally, students were required to submit their results in the form of an AIAA technical paper and make a 10-minute oral presentation.



PARKS COLLEGE OF ENGINEERING AND AVIATION St. Louis University

3450 Lindell Blvd.
St. Louis, Mo 63101



St. Louis University is proud to offer a master's degree program in aerospace engineering. Our state-of-the-art program offers a wide range of courses, delivered by a highly experienced faculty using excellent labs, and computer facilities. The master's degree requires thirty credit hours to complete. Students may be full or part time. Classes are offered in late afternoon and evenings to accommodate student work schedules.

Call us:

Graduate Office, 314-977-8437

Dr. K. Ravindra, Chair, Aerospace & Mech. Engineering, 314-977-8438

Dr. M. Ferman, Director, Graduate Studies Aerospace Engr. 314-977-8437

Visit our web site: <http://www.slu.edu/colleges/parks/>



University of Missouri-Rolla Engineering Education Center St. Louis

Located on the UM-St. Louis Campus, 8001 Natural Bridge Road, St. Louis
Offering a Master of Science Degree in

- AEROSPACE ENGINEERING
- CIVIL ENGINEERING
- COMPUTER ENGINEERING
- ELECTRICAL ENGINEERING
- ENGINEERING MANAGEMENT
- ENGINEERING MECHANICS
- ENVIRONMENTAL ENGINEERING
- MANUFACTURING ENGINEERING
(Internet-based program)
- MECHANICAL ENGINEERING

The Center has graduated 2,500 M.S. students since 1964. Ten classes are needed to acquire an M.S. degree that may change your life.

Classes Meet ONE Night Each Week

Summer Semester begins June 11

Fall semester begins August 20

Please call (314) 516-5431 for more information or visit our web site at:

<http://www.umsr.edu/~umreec>

ADVERTISING OPPORTUNITIES

Advertising rates for a single insertion are:

Full page	\$150	Third page	\$ 75
Half page	\$100	Sixth page	\$ 50

Rates for other advertising space and multiple insertions will be provided on request. All inquires concerning advertisement should be directed to the editor at the indicated phone or e-mail address.

The AIAA Gateway News is a publication of the St. Louis Section of the American Institute of Aeronautics and Astronautics. The newsletter is published monthly except for June, July, and August. Circulation is approximately 900 members in the St. Louis area. Submission of articles to be published should be addressed to the editor. Items will be published on a space available basis and may be edited as necessary.

NEW ADDRESS ??



Forward newsletter address corrections to;
David E. Morgan, Boeing M/C S106-7250,
314-234-1919, david.e.morgan@boeing.com.

NEWSLETTER AND MEETING ANNOUNCEMENTS LATE ??

The St. Louis section is working to cost-effectively speed announcements to our members. If you have an external Boeing e-mail address, please forward that to : dianne.chong@boeing.com and david.e.morgan@boeing.com. We are compiling an e-mail list for timely meeting announcements.

“COMMENTARY”

I write this from a place with which most of us are familiar: an airport gate, waiting for a flight. As I look around, I see a number of families with small children, people with personal emergencies, other business travelers. One woman is traveling with her cat. For this flight, on this day, this is the “flying public.” I can hear them discuss the AIRCRAFT, how much room there is, what the service will be like. Each of them has been through airport security; each of them expects to arrive at our shared destination safely. While each is conscious of the risks associated with the people on the airplane, none of them discusses the risks associated with the airplane itself. Not the age of the aircraft, not the number of takeoffs and landings on the airframe. They trust us. Every one of these people puts their personal safety, their children, and families on us. For our military products, the young men and women who put themselves in harm's way have no choice but to trust us. We are the people who are invisible to them. We hope that we will not be making headlines. However, in our profession, we make decisions and perform acts daily which impact millions of people daily. We are the technical professionals who conceived, designed, analyzed, tested, planned and dispositioned nonconformances of the vehicle in which this “flying public” will travel tonight. And they trust us. Let’s be proud.

“The opinions expressed are those of the individual contributors and not necessarily those of AIAA, The Gateway Chapter, or this newsletter”. Additional comments are welcome and will be published on a space available basis.

- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Environmental Engineering
- Mechanical Engineering
- Systems Science and Mathematics
- Professional Degree Programs
 - Engineering Management
 - Information Management
 - Telecommunications Management

**Part-time, evening
masters degree
programs available**

**Scholarships available
for full-time doctoral
study**

www.sever.wustl.edu

314-935-4849

American Institute of Aeronautics and Astronautics St. Louis Section 2001 - 2002 Council Roster

Office	Incumbent	Address	Telephone	Fax	E-Mail
Chairman	Margaret A.R. (Peggy) Holly	MC S276-1009**	234-3513	234-5010	margaret.a.holly@boeing.com
Vice Chairman	Andy Hesketh	MC S270-3800**	232-2584		andrew.a.hesketh@boeing.com
Secretary	Bob Dowgwillo	MC S106-7126**	234-1013		robert.m.dowgwillo@boeing.com
Treasurer	Karen Copper	MC S001-2700**	234-5742	234-2369	karen.k.copper@boeing.com
Advisors	Dianne Chong	MC S001-2700**	232-9719	234-2369	dianne.chong@boeing.com
	John L. Mohr	11638 Summerhaven Dr. St. Louis, MO63146	567-3398		JLMohr@aol.com
	Rudy Yurkovich	MC S106-7126**	233-2563	777-1328	rudolph.n.yurkovich@boeing.com
Region V Rep	Larry Brase	MC S064-1092**	777-5586	777-5161	lawrence.o.braser-jr@boeing.com
Committee	Chair	Address	Telephone	Fax	E-Mail
Arrangements	Walt Reschke	MC S064-3449**	777-4038		walter.j.reschke-jr@boeing.com
Attendance	Andrew Cary	MC S106-7126**	234-1830		andrew.w.cary@boeing.com
Career Enhancement	Steve D'Urso	MC S064-2374**	233-5441		steven.j.durso@boeing.com
Education	Marty Ferman	1452 Old Farm Dr. St. Louis, MO 63146	542-0703	997-8437	fermanma@slu.edu
Education/Historian	Fred Roos	MC S102-1431**	234-9935	233-2918	frederick.w.roos@boeing.com
Honors & Awards	Ray Cosner	MC S106-7126**	232-6481		raymond.r.cosner@boeing.com
Membership	Joe Stemler	MC S107-7250**	232-3362	232-3722	joseph.n.stemler@boeing.com
Newsletter	Dave Morgan	MC S106-7250**	234-1919	232-3722	david.e.morgan@boeing.com
Pilot Education	Jeff Larrick	MC S102-2272**	232-3455		jeffrey.c.larrick@boeing.com
Pre-College Outreach					
Programs	Bill LaManna	MC S276-1007**	234-3526		william.j.lamanna@boeing.com
Public Policy	Dick Pinckert	MC S034-1126**	234-0623		richard.e.pinckert@boeing.com
Publicity-Internal	Bruce Scheidhauer	MC S270-4360	233-0759	234-0241	bruce.r.scheidhauer@boeing.com
Service Projects	Gary White				
Tech. Specialist Mtg.					
Webmaster	John Donigan	MC S064-1426**	234-4103	777-1139	jdonigan@swbell.net
Young Members	Jeff Gray	MC S270-3200**	233-6912		jeffrey.c.gray@boeing.com
Young Professional Awards	Ron Smith	MC S106-2103**	232-4671	232-1454	ronald.e.smith@boeing.com
Strategic Planning	Larry Brase	MC S064-2355**	777-5586		lawrence.o.braser-jr@boeing.com

** Boeing Address: The Boeing Company, P.O. Box 516, St. Louis, MO 63166



**2001 – 2002 St. Louis Section
Officers and Council Members**

**Non-Profit
Organization
Standard A
U. S. POSTAGE
PAID
Florissant, MO
Permit No. 121**

FEBRUARY 2002

Chairperson

Peggy Holly

Vice Chairperson

Andy Hesketh

Secretary

Bob Dowgwillo

Treasurer

Karen Copper

Advisors

Dianne Chong

John L. Mohr

Rudy Yurkovich

AIAA FUTURE EVENTS



PROJECT RISK MANAGEMENT

Featuring
Miles Barnett

Thursday, 21 February 2002

Airport Marriott Hotel

5:30-6:00 PM	Social
6:00-6:30 PM	Business
6:30-7:30 PM	Dinner
7:30-8:30 PM	Program

Come Tour



Wednesday, 13 March 2002

5 p.m. to 7 p.m.

Corner of Lindberg and Natural Bridge
"Reservations Required"

Contact: Dianne Milton
314-233-6801