

# Gateway News

American Institute of Aeronautics and Astronautics, St. Louis Section

<http://www.aiaa.org>

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

MARCH 2002

MARCH MEETING

## Perspectives on the Future of Boeing Engineering



With

**Dr. Robert F. Krieger**

*Vice President/General Manager - Engineering  
Military Aircraft and Missile Systems  
The Boeing Company*

**Thursday, March 21, 2002**

**The Boeing Company**

*Prologue Room Auditorium, Building 100  
(Former McDonnell Douglas World HQ)*



**Social 5:00 - 5:30PM**  
**Program 5:30 - 6:30PM**

*The AIAA St. Louis Section is pleased to feature a special evening with Dr. Robert F. Krieger, VP/GM - Engineering with Boeing's Military Aircraft & Missile Systems. Dr. Krieger is also the executive focal point for the company's Lean Enterprise initiative. Prior to his current assignment, he was Vice President of Engineering Technology for Boeing's Phantom Works, with responsibility for developing innovative technologies and significantly improved processes for Boeing products. This evening will be an opportunity to hear and interact with our "top engineer" as he shares his perspectives on the future of Boeing Engineering.*

**American Institute of Aeronautics and Astronautics, St. Louis Section**



**VOLUNTEERS NEEDED FOR THE STUDENT PAPER CONFERENCE!**

The Region 5 Student Paper Conference will be held at St. Louis University, 18 & 19 April 2002. Local volunteers are needed as a) Technical Judges, b) Presentation Judges, and c) support. Contact: Larry Brase, 314-777-5586 and get involved in the future.

# FEBRUARY DINNER MEETING

21 February 2002

The joint society dinner meeting with ASM International featured Mr. Miles Barnett of the Anheuser Busch Company discussing Risk Management. Mr. Barnett is a member of the Project Management Institute which publishes the PMBOK Guide "A Guide to the Project Management Body of Knowledge," now a national standard. Miles walked the audience through the stages of risk management stated in the PMBOK, and the necessary questions and decision points. This was a good overview and first exposure to risk management for most of the audience.



Risk management is a systematic process of identifying, analyzing, and responding to project risk. The steps of risk management outlined were;

- a. Risk Management Planning
- b. Risk Identifying
- c. Qualitative Risk Analysis
- d. Quantitative Risk Analysis
- e. Risk Response Planning
- f. Risk Monitoring and Control



Each area contained insights plus tools and techniques to address risk. Some interesting comments were: "Never forget where you were, where you are, or where you want to go." "You can't sell people on price alone, but value." Anheuser Busch is not a beer company but a world class marketing company.



Additional information at: <http://www.risksig.com>(contains downloadable PMBOK)

## ST. LOUIS SECTION COUNCIL NOMINATIONS ARE NOW OPEN

Nominations are solicited for the following elective council positions; Chairman, Vice Chairman, Treasurer, Secretary, and Advisors. Nomination petitions must be forwarded to the St. Louis Section Secretary (Bob Dowgwillo), stating the name of the nominee and the position for which he/she is being nominated. Petitions must be signed by at least five percent of the section membership (25 signatures). The Secretary must receive nominations by 15 April 2002. Ballots will be mailed to the section membership on 17 April 2002.

Direct questions to the Section Secretary:

Robert Dowgwillo  
The Boeing Company  
P.O. Box 516, St. Louis, MO 63166-0516  
MS S106-7126  
(314) 234-1013 [robert.m.dowgwillo@boeing.com](mailto:robert.m.dowgwillo@boeing.com)

## MARK YOUR CALENDAR NOW!

- 43RD** AIAA/ASME/ASCE/AHS/ASC  
**Structures, Structural Dynamics, and  
Materials Conference**
- 10TH** AIAA/ASME/AHS Adaptive  
**Structures Conference**
- 4TH** AIAA Non-Deterministic Approaches  
**Forum**
- 3RD** AIAA Gossamer Spacecraft Forum

22-25 April 2002

**DENVER MARRIOTT TECH CENTER  
DENVER, COLORADO**

For more information on this event go to  
**[www.aiaa.org](http://www.aiaa.org)**

AMERICAN INSTITUTE OF AERONAUTICS  
AND ASTRONAUTICS



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

**Section Award Nomination**

Nomination must be received by April 1, 2002

**1. Indicate the award (circle one):**

**Technical Contribution**

*In recognition of an outstanding contribution to the advancement of the aerospace sciences in a technical discipline by a Section member or team of members.*

**Technical Management**

*In recognition of an outstanding accomplishment in technical management.*

**Section Service**

*In recognition of an outstanding contribution to the Section's activities by a member.*

**Civic**

*In recognition of an outstanding contribution to the progress of aerospace activities in the St. Louis area.*

**Lindbergh**

*In recognition of a distinguished contribution in applying aerospace technology to improving the quality of human life.*

**2. Nominee:**

Name: \_\_\_\_\_ Title/Position: \_\_\_\_\_

AIAA Membership Grade (circle one):

- |                     |           |                    |               |
|---------------------|-----------|--------------------|---------------|
| 1. Associate Member | 3. Member | 5. Senior Member   | 7. Nonmember  |
| 2. Associate Fellow | 4. Fellow | 6. Honorary Fellow | 8. Don't Know |

**3. Proposed Citation:**

Statement in 25 words or less of the achievement upon which the nomination is based:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**4. Basis for Nomination:**

On separately attached sheets, please present the basis for this nomination including discussion of the importance of the achievement with specific evaluation of success in practical application. The discussion should make clear the times and dates involved and specific ways in which the requirements of the award are met. Technical award nominations should include a list of publications, technical reports, conference papers, lectures, and patents relevant to the achievement(s) under consideration. Avoid generalities. Stress personal accomplishments.

**5. Nominator:**

Name: \_\_\_\_\_ Phone: \_\_\_\_\_ Organization: \_\_\_\_\_

**6. Additional Information:**

Letters of recommendation attesting to the importance of the achievement may be submitted in support of the nomination. Please furnish all relevant information; missing data cannot be obtained elsewhere. The submitted material will constitute the total case that will be presented to the Honors and Awards Committee.

**7. Submit Nomination to:**

Raymond R. Cosner, AIAA Honors and Awards Committee Chair  
The Boeing Company, PO Box 516, MC S106-7126, St. Louis, MO 63166-0516  
[Raymond.r.Cosner@boeing.com](mailto:Raymond.r.Cosner@boeing.com), Phone 314-233-6481, FAX 314-777-1328

Please contact the Committee Chair via phone or e-mail to confirm the delivery address (above), before submitting a nomination.



# ***Trivia Night***

**20 April 2002**

**Doors Open At 6:00 p.m.  
Round 1 Begins 6:30 p.m. Sharp!**

## **Hazelwood Community Center**

**White Birch Park  
1186 Teson Road**

**[Directions: I-270 to McDonnell Blvd, North to Teson Road]**

This fund-raiser will help pay for upcoming programs and events to celebrate the Centennial of Manned Flight. Go to website <http://www.flight100.org/> for more information.

The General Trivia Game will have an aviation slant, but with categories and questions for all. Example C: "Movies" Q: "What is the call sign for Val Kilmer's character in the film "Top Gun"? A: Iceman

### **General Trivia Game**

**\$80 / Table**

**Maximum of 8 people per table**

**10 Rounds / 10 Questions**

**First Place Team wins \$160**

**Second Place Team wins \$80**

**Gather your Team &  
Challenge your Colleagues!!**

**Reserve your table today!**

**Call Karen at (636) 272-6340**

**or (314) 234-5742**

**e-mail at [kkcopper@aol.com](mailto:kkcopper@aol.com)**



***Terrific Attendance Prizes!!!  
Tax Deductible Contribution!***

***You are welcome to bring  
snacks & drinks  
(Hall Rules: Beer & wine are OK)***

**Checks payable to AIAA**

**c/o Karen Copper  
1 Shaker Leg Court  
O'Fallon, MO 63366**

# AIAA



*Presents*

## *Ken Blackburn*

*Author and Guinness World Record Holder*

# *Paper Airplanes & More*

## **Paper Airplane Contest**

**Saturday, 27 April 2002**

**9:00 a.m. – 2:00 p.m.**

**Ladue Jr. High School  
9701 Conway Road**



- Ø · **FREE**
- Ø · **Family Fun\***
- Ø · **Many Prizes**
- Ø · **Lunch Provided**

**\*An adult must accompany children**

### **Pre-registration Required**

**Call Karen Copper 314-234-5742**

**OR 636-272-6340**

**OR E-mail at**

**Karen.k.copper@boeing.com**



**Visit Ken's website at**

**<http://www.geocities.com/kblackbu/contest.html>**

**for a map to the school and contest rules**



University of Missouri-Rolla  
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Located on the UM-St. Louis Campus, 8001 Natural Bridge Road, St. Louis  
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ADVERTISING OPPORTUNITIES

Advertising rates for a single insertion are:

Full page    \$150        Half page    \$100        Third page    \$ 75        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.



PARKS COLLEGE OF ENGINEERING  
AND AVIATION  
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3450 Lindell Blvd.  
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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.

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

Dr. M. Ferman, Director, Graduate Studies Aerospace Engr. 314-977-2240

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**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.<br>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.<br>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**

**MARCH 2002**

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Vice Chairperson

**Andy Hesketh**

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## **AIAA FUTURE EVENTS**

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**AVIATION & SPACE TRIVIA NIGHT**

Saturday, 20 April 2002

Hazelwood Community Center

6 PM to 9 PM

**PAPER AIRPLANE CONTEST**

Saturday, 27 April 2002

Ladue Jr. High School

9 AM to 2 PM



**"PERSPECTIVES ON SCIENCE  
& TECHNOLOGY"**



Guest Speaker

**Todd Akin**

Missouri Congressman

**18 April 2002**

*Busch Memorial Center*

*St. Louis University*

*6:30 - 7:00 PM Reception*

*7:00 - 8:00 PM Dinner*

*8:00 - 9:00 PM Program*