

Explain how this event supports Career Enhancement):

Provides a forum to meet peers and people of interest in multiple fields.

Describe any career enhancement programs, meetings or activities that are beneficial to career development that are not shown above. (max 500 words)

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ST. LOUIS

CAREER ENHANCEMENT

The **Career Enhancement Award** is presented for section activities that are beneficial to career development, such as: Time Management Workshops, Career Transition Workshops, Career Benefits Workshops (health care reform, financial planning, pension portability, etc.), Technical v. Management Career Path Workshops, Resume Writing, etc.)

EVENTS

| Date | Name | Speaker |
|--|--|--------------|
| 15 Jul 04 | The System Architecture of Sandstorm for the DARPA Grand Challenge | Phillip Koon |
| Speaker Affiliation: | DARPT | |
| Meeting Type: | Other | |
| If "Other", what type: | Evening, light refreshments | |
| Attendance: | 28 | |
| Description of Event: | Phillip Koon is a Boeing Engineer who worked on the Carnegie Mellon University's "Red Team" for the DARPA Grand Challenge. Phil has been providing the Red Team systems engineering and power system design services for the "Red Teams" vehicle. The DARPA Grand Challenge is a race of autonomous unmanned ground vehicle from Los Angeles to Las Vegas. Phil presented lesson learned in the rapid prototyping environment that Carnegie Mellon employed in the six months time frame to develop an autonomous vehicle. Soda and chips were provided along with free admission. | |
| Joint Sponsorship? With what group(s)?: | None | |
| Describe any publicity for the event: | Flyer mailed to all St. Louis AIAA members. Boeing electronic announcement in "Daily News". The meeting was also announced in AIAA St. Louis Section newsletter. | |
| Explain how this event supports Career Enhancement): | The information shared and lessons learned is an ongoing opportunity for experienced engineers to expand their knowledge base. | |

| Date | Name | Speaker |
|----------------------|--|--------------------|
| 08 Sep 04 | Creating Options and Opportunities as you Navigate your Career | Julie-Ellen Acosta |
| Speaker Affiliation: | Vice President of Boeing Phantom Works | |

Meeting Type: Dinner Meeting

If "Other", what type:

Attendance: 26

Description of Event:

Julie-Ellen Acosta shared some of her keys to success and provided a frank discussion about her experiences in management. This presentation was open to and free to the public. Julie described how to find success when working with teams. She emphasized the importance of communication. Each of us need to define what we expect to be success for ourselves by being honest with ourselves and knowing who we are. This is as important in our personal and family lives. She provided especially valuable information for those with family lives and how to work 24/7 mixing company and family business each day while keeping family very high in priority. Special arrangements were planned for non-U.S. visitors on Boeing property and maps were provided to coordinators at university campuses in the St. Louis area. Planning time is estimated at 20 hours that includes some planning location changes. Popcorn and cold soda was provided to attendees at no cost. A question answer (Q&A) session followed the presentation that lasted 30 minutes. Several attendees asked for a copy of the presentation material to be sent to them by Email. After the meeting, at least 3 more requests were made by people unable to attend. Attendees numbered 26, that includes 15 AIAA members and 12 students. This Presentation provided much useful information for Young Professionals and for persons interested in Career Enhancement. Most attendees were young (less than age 35), but at least 12 attendees were professionals older than age

Joint Sponsorship? With what group(s)?:

AIAA St. Louis Section Young Professionals

Describe any publicity for the event:

A flyer was sent to all major Boeing buildings, and major college campuses in the St. Louis area and Rolla, MO. The flyer was available on the St. Louis Section web site. The link to the web site with the flyer and brief description were advertised in daily Boeing News for St. Louis each day for 2 weeks prior to and leading up to the day of the event. Email was sent to 500 local AIAA members with the flyer and AIAA Section link, and by Email to all Boeing new hires for 2004 which number 350.

Explain how this event supports Career Enhancement):

Julie explained the kinds of training and skills needed to advance in management and to help you be successful in leading a team of aerospace employees. Her perspective reflected the need to improve, adjust and learn through each phase of your career. She provided sage advice for both the new and experienced professionals. Julie spoke of her experiences when she was a young professional and was able to relate to the young people, many of them students, in attendance holding their attention and engaging their interests.

| Date | Name | Speaker |
|---|---|--|
| 21 Sep 04 | A Leadership Panel | Vazquez, Clayton, Martin, Park, Radasch, Berisford |
| Speaker Affiliation: | | Boeing Executive Managers |
| Meeting Type: | | Joint Meeting |
| If "Other", what type: | | |
| Attendance: | | 120 |
| Description of Event: | <p>"A Leadership Panel: Strategies for Success" featured six Boeing managers presenting different subjects relating to young professional and career development. AIAA was a cosponsor of the event. Approximately 10 hours of preparation and coordination time were required to allow non-Boeing personnel to register their names and status of nationality in advance in order for security to clear them for attendance. Free food and drinks were provided in the Boeing building 33 cafeteria. Attendance was in excess of 120 people, including 26 female students from nearby colleges and at least 10 AIAA members. The AIAA display was set up and membership application cards were available, an AIAA Council member was available to talk to visitors and encourage them to join. More than 12 people expressed an interest in joining AIAA and becoming involved on committees. AIAA also networked with members of five or more organizations in hopes of cosponsoring for future events and activities. This panel event had a half hour Q&A session after all presentations, and the event was video-recorded and made available on CD's after the event and distributed to a number of interested people. The flyer for this event is available as attachment, Leadership Panel.pdf.</p> | |
| Joint Sponsorship? With what group(s)?: | <p>This was a large collaborative event sponsored by AIAA St. Louis Section, Aerospace Support Diversity Council, Aerospace Support Employee Involvement, Amelia Earhart Society, Boeing Black Employee Association, Boeing Employees Hispanic Network, Shared Services Group Diversity Council, Boeing Women in Leadership</p> | |
| Describe any publicity for the event: | <p>Posters in major Boeing Buildings, Boeing News daily 2 weeks prior up to event day, distribution through each organization listed in Joint Sponsorship above, AIAA Section college and Email distribution.</p> | |

Explain how this event supports Career Enhancement):

Six panelists spoke about leadership from diverse backgrounds and perspectives. Each speaker talked about the importance of ongoing mentor relationships, graduate training in college, and other valuable sources of learning - much of which can be done on your own or without enrolling in a program. Several panelists offered to be mentors to anyone requesting assistance and provided other useful avenues from which help may be obtained.

| Date | Name | Speaker |
|--|--|----------------|
| 14 Oct 04 | Emotions, Expectations, and Economics | Amy Sherrer |
| Speaker Affiliation: | a chartered financial consultant, CLU, ChFC, and Vice-President of Butler Associates Financial Planners, Inc | |
| Meeting Type: | Other | |
| If "Other", what type: | lecture | |
| Attendance: | 25 | |
| Description of Event: | <p>Amy Sherrer, a chartered financial consultant, CLU, ChFC, and Vice-President of Butler Associates Financial Planners, Inc. brought an aid and financial planning literature hand-outs to speak to 20 attendees, 6 AIAA members, at the Boeing Prologue Auditorium, titled, "Emotions, Expectations, and Economics." She discussed how emotions affect investment decisions, market expectations for 3 types of investors, lessons from the past 74 years of U.S. economic history, and investment tools and strategies to help fine-tune your financial plans. A 30 minute Q&A session after the presentation was used by people young and old. This presentation received several compliments from attendees and at least 12 hand-outs were provided to people after the event who were unable to attend. This was billed as a Young Professional event, however we had all ages in attendance and Q&A questions from people of near retirement age. Most attendees were of young professional age thus it provided young professional value as Amy had planned to address a young audience. Amy said after the meeting she felt fortunate to help us, complimented us on the excellent facilities from which she presented, and indicated an interest in returning to help us again. Response from attendees was very encouraging and several attendees came to later YP and CE events.</p> | |
| Joint Sponsorship? With what group(s)?: | Career Enhancement | |
| Describe any publicity for the event: | <p>A flyer was sent to all major Boeing buildings, and major college campuses in the St. Louis area and Rolla, MO. The flyer was available on the St. Louis Section web site. The link to the web site with the flyer and brief description were advertised in daily Boeing News for St. Louis each day for 2 weeks prior to and leading up to the day of the event. Email was sent to 500 local AIAA members with the flyer and AIAA Section link.</p> | |
| Explain how this event supports Career Enhancement): | <p>Professionals need help with financial planning and consider this a high priority need that must be revisited at regular intervals in their career. As professionals age, they become concerned about the need for preparing for retirement. Their success in financial planning is often related to how well they have planned and executed their career. Amy talked about these relationships and demonstrated how experts in investment planning can help professionals.</p> | |

| Date | Name | Speaker |
|---|---|------------------------------|
| 09 Nov 04 | Recent Boeing Experiences with Modern Design of Experiments | Bob Dowgwillo and Jeff Luner |
| Speaker Affiliation: | | |
| Meeting Type: | Other | |
| If "Other", what type: | Presentation / Light Refreshment | |
| Attendance: | 27 | |
| Description of Event: | <p>Mr. Luner discussed DOE Techniques to optimize a LEX Fence size and location to minimize the vertical tail buffet response. DOE was used to minimize the amount of time spent testing in a low speed wind tunnel to optimize the size and location of a buffet attenuation device to modify vortex flow impingement on the vertical tails of the F/A-18 Super Hornet. Mr. Dowgwillo discussed the use of Modern Design of Experiments to acquire surface static pressure data during the test of a subscale wind tunnel model in the NASA Langley 14' x 22' Low Speed Wind Tunnel. Soda and chips were provided along with free admission.</p> | |
| Joint Sponsorship? With what group(s)?: | | |

Describe any publicity for the event:

Flyer mailed to all St. Louis AIAA members. Boeing electronic announcement in "Daily News". The meeting was also announced in AIAA St. Louis Section "News Letter".

Explain how this event supports Career Enhancement):

Learning & Networking opportunities

| Date | Name | Speaker |
|--|---|-----------------|
| 18 Nov 04 | Legacy of Mr. Mac | Sandy McDonnell |
| Speaker Affiliation: | Chairman Emeritus, McDonnell Douglas Corp. | |
| Meeting Type: | Dinner Meeting | |
| If "Other", what type: | | |
| Attendance: | 75 | |
| Description of Event: | <p>Boeing historian, Mr. Larry Merritt introduced Mr. McDonnell, after sharing a few of his own experiences working alongside Mr. Mac.</p> <p>Sandy McDonnell, chairman emeritus of the McDonnell Douglas Corp., shared many stories about his uncle, James S. McDonnell. Mr. Mac, as he was known to all his employees founded the McDonnell Aircraft Co. in 1939. Mr. Mac was an unusual fellow, demanding much from himself, his family and all of his employees - whom he considered family. AIAA assisted Sandy in converting family photos to digital images for a picture presentation to accompany the talk. The audience was rapt with nostalgia. We laughed, we cried - we all had a marvelous time! At the end of the presentation Karen Copper presented Sandy McDonnell with his AIAA 50 year membership pin. The evening's presentation was recorded and a DVD is available for members to borrow.</p> <p>Mr. S. McDonnell's book "This is Old Mac Calling All the Team – The Story of James S. McDonnell and McDonnell Douglas" was available at the meeting for purchase and autographing. We pre-ordered the books to ensure that a sufficient number of books were available. Eighty books were distributed that evening with more books ordered for later delivery</p> | |
| Joint Sponsorship? With what group(s)?: | | |
| Describe any publicity for the event: | <p>Flyers distributed to AIAA members and within Boeing. Notices were sent to the Boeing retiree club, SAGES. Announcements were placed in local on-line calendars.</p> | |
| Explain how this event supports Career Enhancement): | Networking opportunity | |

| Date | Name | Speaker |
|------------------------|--|----------------------------------|
| 01 Dec 04 | Career Development Panel | Krieger, Young, Cosner, Pinckert |
| Speaker Affiliation: | Boeing Executive Management | |
| Meeting Type: | Other | |
| If "Other", what type: | Panel Discussion | |
| Attendance: | 65 | |
| Description of Event: | <p>"A Career Development Panel" staffed by four leading Boeing St. Louis managers and Fellows addressed employee career development, mentor and other learning opportunities, leadership traits and lessons learned, "Choosing the Technical Career Path", and "Role of Technical Societies in your career." The widely-known panelist names at Boeing were Chief Engineer of Naval Systems, President of Phantom Works, a Senior Technical Fellow and Director of IDS for Technology, and Director of Design & Manufacturing, 3 with PhD's and a panelist and moderator with multiple Masters Degrees which drew a good crowd of 65 with at least 12 AIAA members in attendance. Following the introduction by the moderator and presentations, the panel addressed questions for over 30 minutes. This event was cosponsored by Young Professionals and Career Enhancement committees with announcements for a need for committee members, and invitation to AIAA active membership, and upcoming AIAA events. The discussion was not always serious, with some light-hearted entertainment intermixed in the well-planned presentations. At least 15 compliments were given to planners and presenters and at least 10 people unable to attend requested the presentation material. Preparation time was 30 hours for committee members and approximately 30 hours by assistants to directors who prepared each 15-20 minute presentation. The event was open to the public and sodas were provided free of charge.</p> | |

Joint Sponsorship? With what group(s)?:

Young Professionals

Describe any publicity for the event:

A flyer was sent to all major Boeing buildings, and major college campuses in the St. Louis area and Rolla, MO. The flyer was available on the St. Louis Section web site. The link to the web site with the flyer and brief description were advertised in daily Boeing News for St. Louis each day for 2 weeks prior to and leading up to the day of the event. Email was sent to 500 local AIAA members with the flyer and AIAA Section link.

Explain how this event supports Career Enhancement):

Each presentation underscored the need for training and planning each aspect of the career. Mentoring was described and the importance of job rotation was emphasized. Jim Young specifically discussed Career Enhancement and professional development and how Boeing provides opportunities for improvement. Ray Cosner provided detailed information helpful for deciding if an individual should take a technical or management career path. Ray showed that either direction can bring great success and a satisfying career. Dr. Krieger showed how common sense we acquire in childhood is essential for creativity and motivation required to find success in leadership. Dr. Pinckert provided a clear representation of how professional organizations like AIAA provides great opportunities for advancement, meeting people, training, and many other value-added resources that active membership provides.

| Date | Name | Speaker |
|--|--|------------|
| 02 Dec 04 | Status of Recent Updates To The Boeing St. Louis Polysonic Wind Tunnel & Facility Tour | Bob Hilker |
| Speaker Affiliation: | | |
| Meeting Type: | | Field Trip |
| If "Other", what type: | | |
| Attendance: | | 20 |
| Description of Event: | | |
| <p>Mr. Hilker described the capabilities of the Boeing St. Louis Polysonic Wind Tunnel (PSWT) which is a Blow-Down wind tunnel that utilizes a compressor to pump-up a tank farm to provide the air supply. Bob described the tunnels operational Mach range as M=0.45 through M=5.6. The new control room and compressor system was described. The highlight of the meeting was a walking tour of the PSWT: control room, test section, tank farm and compressor room. Many attendees stated that they had worked at Boeing for many years and this was the first time they got to see the PSWT up close. Soda and chips were provided along with free admission.</p> | | |
| Joint Sponsorship? With what group(s)?: | | |
| Describe any publicity for the event: | | |
| <p>In addition to the flyers being posted on bulletin boards and in the AIAA Gateway newsletter, announcements were published, as example shown below, in the Boeing daily electronic news distributed via e-mail to all Boeing employees. AIAA members were also e-mailed notices of all section events.</p> | | |
| Explain how this event supports Career Enhancement): | | |
| Learning & Networking opportunities | | |

| Date | Name | Speaker |
|---|----------------------------|---|
| 18 Jan 05 | A Night of Neural Networks | Dale Pitt, Lawrence Pado, James Ramsey and Stephen Thaler |
| Speaker Affiliation: | | |
| Meeting Type: | | Other |
| If "Other", what type: | | After work / Light Refreshments |
| Attendance: | | 57 |
| Description of Event: | | |
| <p>The speakers made five short presentations (20 minutes) of their research project utilizing Neural Networks. Four of the presentation documented the Boeing St. Louis experiences with Neural Networks. The Boeing experiences included using the networks to predict aircraft flutter speeds and maneuver loads. Discussions of using neural networks for adaptive control were also presented. The last presentation was made by the founder of "Imagination Engines INC" and he discussed his development and implementation of a self training Neural Network. This meeting appealed to many non-traditional AIAA members and a large number of perspective members. Many people commented that they enjoyed the introduction/overview of this topic and would be contacting the various authors for more information. Soda and chips were provided along with free admission.</p> | | |

Joint Sponsorship? With what group(s)?:

none

Describe any publicity for the event:

In addition to the flyers being posted on bulletin boards and in the AIAA Gateway newsletter, announcements were published, as example shown below, in the Boeing daily electronic news distributed via e-mail to all Boeing employees. AIAA members were also e-mailed notices of all section events.

Explain how this event supports Career Enhancement):

Learning & Networking opportunities

| Date | Name | Speaker |
|--|---|----------------|
| 27 Jan 05 | Shadow Craft - A World of Secret Flight | Scott Miller |
| Speaker Affiliation: | AIAA Distinguished Lecturer | |
| Meeting Type: | Dinner Meeting | |
| If "Other", what type: | | |
| Attendance: | 115 | |
| Description of Event: | | |
| During the social hour, video presentations of student projects were on display. | | |
| Each sponsoring organization welcomed the audience and shared any upcoming event information for their group. A table with membership information and displays were set up for folks to partake. | | |
| Scott Miller presented his insights on Shadow Craft — A World of Secret Flight A great deal of aircraft development in America has taken place in secrecy. The U-2, SR-71 Blackbird, B-2 Spirit Bomber, and F-117 Stealth Fighter are some now high-profile examples of once hidden efforts. If you believe the recent and rampant rumors, there are more secret aircraft currently hiding in the shadows. The existence of these rumors, at minimum, provokes the public interest and generates lots of questions. For example, what goes on in "Area 51" and what specifically has happened or might now be happening in the secret or "black" world? What new technologies and missions are associated with the rumored planes, where are they built and based, and how many are operational? Is it actually possible to build a visually stealth airplane? Are some of the aircraft unmanned? Does the hypersonic vehicle popularly called "Aurora" really exist? There are obviously many questions, with elusive and interesting answers. The presentation will summarize many of the rumors and review publicly available evidence that suggests the existence of secret aircraft projects. The viability of the rumors and evidence will be discussed and some additional ideas will be offered. Everyone loves a mystery. Who knows what craft lurks in the shadows, hinting at an exciting world of flight? Everyone enjoyed the presentation and many questions were asked. | | |

Joint Sponsorship? With what group(s)?:

This dinner was a co-sponsorship with the AIAA St. Louis section and the student chapter at Parks College, and St. Louis sections of American Helicopter Society, Society of Automotive Engineers, American Society of Mechanical Engineers, and Experimental Aircraft Association

Describe any publicity for the event:

Flyers distributed to AIAA members and within Boeing. Notices were sent to the Boeing retiree club, SAGES. Announcements were placed in local on-line calendars.

Explain how this event supports Career Enhancement):

Opportunity to network with folks in own company, other company and academia

| Date | Name | Speaker |
|------------------------|-------------------------|----------------|
| 10 Feb 05 | Resume Workshop | Andrea Boyd |
| Speaker Affiliation: | Boeing College Outreach | |
| Meeting Type: | Other | |
| If "Other", what type: | Workshop | |
| Attendance: | 15 | |

Description of Event:

A Resume Workshop: For All Levels of Your Career was hosted by AIAA's Young Professional and Career Enhancement committees and was facilitated by Dr. Allen Atkins, General Manager of Technology and University Relations in Phantom Works and Ms. Andrea Boyd, Recruiting Relationship Manager for The Boeing Company. Ms. Boyd has facilitated this workshop at over 10 different schools, as well as other career related workshops sponsored by student organizations and diversity affiliations. She has also held the role of Summer Intern and Co-op Coordinator for Boeing St. Louis, giving her tremendous insight into career development. In her 1 hour resume workshop, Ms. Boyd discussed the secrets of selling oneself to recruiters, how to use one's time at career fairs to full advantage, tips and helpful information about making the best of one's interview and helping attendees to develop outstanding resumes by sitting down with the attendees individually and reviewing and commenting on their resumes. Planning time is estimated at 10 hours which includes flyer development, communication and correspondence. Light snacks were provided for attendees. There were 15 attendees, mostly college students with two attendees currently working and looking for different positions in their company. The workshop ran over by approximately one hour due to the enormous response of attendees wanting Ms. Boyd to review and comment on their resumes.

Joint Sponsorship? With what group(s)?:

Career Enhancement

Describe any publicity for the event:

A flyer was sent to all major Boeing buildings, and major college campuses in the St. Louis area and Rolla, MO. The flyer was available on the St. Louis Section web site. The link to the web site with the flyer and brief description were advertised in daily Boeing News for St. Louis each day for 2 weeks prior to and leading up to the day of the event. Email was sent to 500 local AIAA members with the flyer and AIAA Section link.

Explain how this event supports Career Enhancement):

This workshop was valuable to professionals at any point in their career as they make adjustments and changes that provide new opportunities in new jobs. A resume is the key to being accepted in a new position as competition for most jobs is getting tougher. High technology jobs do not always mean the employers will take the first people qualified who come along. Interview and other communication skills were presented in this workshop.

| Date | Name | Speaker |
|--|---|--------------|
| 21 Feb 05 | X-43 Hypersonic Flight Research Project | George Orton |
| Speaker Affiliation: | AIAA | |
| Meeting Type: | Other | |
| If "Other", what type: | After work / light refreshments | |
| Attendance: | 75 | |
| Description of Event: | | |
| Mr. Orton is the Boeing Phantom Works Program Manager for Hypersonic Design and Application. He described the X-43 program from its inception to its final flight at Mach 9.7. George described the vehicle design, the airframe thermal protection systems, the flight control system and the navigation systems. George was also able to show NASA videos that were cleared for public release. This meeting appealed to young AIAA members unfamiliar with Boeing hypersonic research and older AIAA members who were previously involved with the NASP project with Mr. Orton. Soda and chips were provided along with free admission. | | |
| Joint Sponsorship? With what group(s)?: | | |
| none | | |
| Describe any publicity for the event: | | |
| The section programs and events were publicized to all members in the following manner: | | |
| Section Newsletter, Gateway News, mailed to members and available on our website, http://www.me.wustl.edu/~aiaa/ | | |
| Flyer, mailed to members, posted on bulletin boards in the Boeing Company | | |
| Announcements posted in the daily Boeing News Now as calendar items or articles, (distributed to more than 15,000 employees) | | |
| E-mail notices with links to section web posting of flyer, all section flyers for the year are posted at http://mesun4.wustl.edu/~aiaa/calendar0405.htm | | |
| Section Web Calendar and "Upcoming Event" link on the home page, http://www.me.wustl.edu/~aiaa/ | | |
| Section 2004-2005 calendar page, http://www.me.wustl.edu/~aiaa/calendar0405.htm | | |

Explain how this event supports Career Enhancement):

Networking and learning opportunity

| Date | Name | Speaker |
|------------------------|--|----------------|
| 24 Feb 05 | Future Space Transportation: Where Now? | Gene Austin |
| Speaker Affiliation: | AIAA Distinguished Lecturer | |
| Meeting Type: | Dinner Meeting | |
| If "Other", what type: | | |
| Attendance: | 25 | |
| Description of Event: | <p>Students made all the contacts with AIAA and Mr. Austin. They made all the dinner arrangements. The St. Louis section coordinated publicity, took reservations and attended the registration table.</p> <p>Mr. Austin talks followed the abstract presented in the AIAA Distinguished Lecturers manual. It was thought provoking and lead to much give and take in the question and answer period.</p> <p>A plaque was presented to Mr. Austin by both sponsoring groups.</p> <p>Joint Sponsorship? With what group(s)?: Joint sponsorship with student chapter at Washington University</p> <p>Describe any publicity for the event: Flyers distributed to AIAA members and within Boeing. Notices were sent to the Boeing retiree club, SAGES. Announcements were placed in local on-line calendars.</p> <p>Explain how this event supports Career Enhancement): Optimism in the future employment of space exploration was a theme in the conversations. Great networking opportunity.</p> | |

| Date | Name | Speaker |
|------------------------|---|----------------|
| 22 Mar 05 | Full Scale Structural Testing at Boeing St. Louis | Glenn Harbison |
| Speaker Affiliation: | | |
| Meeting Type: | Other | |
| If "Other", what type: | Lecture and Lab Tour | |
| Attendance: | 26 | |
| Description of Event: | <p>Mr. Glen Harbison, Group Manager – Structural Test for the Boeing Company, discussed the full scale testing of air vehicles. The presentation included an explanation of the development of the structural load cases represented by the wiffle tree. Video and photographs of the F-15 and F-18 undergoing destructive static testing were shown. The presentation also showed video of "Drop Test" testing aircraft landing gear. The presentation was culminated with a tour of the high bay area where testing was being conducted. Many AIAA members present for the meeting were first time attendees at the St. Louis section meetings. Soda and chips were provided along with free admission.</p> <p>Joint Sponsorship? With what group(s)?: None</p> <p>Describe any publicity for the event: The section programs and events were publicized to all members in the following manner: Section Newsletter, Gateway News, mailed to members and available on our website, http://www.me.wustl.edu/~aiaa/ Flyer, mailed to members, posted on bulletin boards in the Boeing Company Announcements posted in the daily Boeing News Now as calendar items or articles, (distributed to more than 15,000 employees) E-mail notices with links to section web posting of flyer, all section flyers for the year are posted at http://mesun4.wustl.edu/~aiaa/calendar0405.htm Section Web Calendar and "Upcoming Event" link on the home page, http://www.me.wustl.edu/~aiaa/</p> | |

Explain how this event supports Career Enhancement):

Networking and knowledge growth opportunity

| Date | Name | Speaker |
|--|---|----------------|
| 25 Mar 05 | Leadership and the War on Terror | Ernie Wattam |
| Speaker Affiliation: | Boeing Executive Management and AIAA member | |
| Meeting Type: | Lunch & Learn | |
| If "Other", what type: | | |
| Attendance: | 74 | |
| Description of Event: | <p>Mr. Wattam drew on his experiences as a U.S. Navy officer, pilot and commander of fighter operations to share with people how important it is to be a good and effective leader in today's high technology environments. The combat experience and training he had and leadership principles are useful when your employees make mistakes and need direction. Special situations where leadership has great challenges overcoming the temptation to give-in when your people depend on you to do the right thing and make the best decisions as it effects them and your organization. He described actual situations where pilots dropped practice bombs without realizing the dangers of doing so outside the limits imposed for safety reasons. Good leadership will have the patience to find all the necessary factors needed from which to base your ever important decisions that affects the lives of others around you. In today's world where threats are ever present, we have even more responsibility than ever before, to be good leaders and do what is right and taking proper corrective action to prevent accidents in the future. This program was offered on 9 and 25 March at the Boeing facilities in St. Louis and St. Charles, respectively.</p> | |
| Joint Sponsorship? With what group(s)?: | Young Professionals, REACH | |
| Describe any publicity for the event: | <p>A flyer was sent to all major Boeing buildings, and major college campuses in the St. Louis area and Rolla, MO. The flyer was available on the St. Louis Section web site. The link to the web site with the flyer and brief description were advertised in daily Boeing News for St. Louis each day for 2 weeks prior to and leading up to the day of the event. Email was sent to 500 local AIAA members with the flyer and AIAA Section link.</p> | |
| Explain how this event supports Career Enhancement): | <p>Valuable leadership and management skills were shared and discussed useful to technical and non-technical career paths. Examples are easily applied to a wide range of applications. Mr. Wattam provided an informal interchange format involving the audience, encouraging each person to participate and share their experiences and questions. The format did not discriminate, but allowed people of all ages to participate and enjoy the learning experience. The examples came from military experience and relate well to today's world of terrorist threats and the great need for integrity in leadership that is essential for career enhancement.</p> | |

| Date | Name | Speaker |
|---|--|--------------------------------|
| 21 Apr 05 | AIAA Senior Design Night - Student Design Forum | Students Project Presentations |
| Speaker Affiliation: | | |
| Meeting Type: | Other | |
| If "Other", what type: | After work / Pizza | |
| Attendance: | 70 | |
| Description of Event: | <p>Senior Design students from Engineering Universities in the Greater Metropolitan St. Louis area presented their senior design projects with poster presentations. Three universities were represented at the meeting: Parks College of St. Louis University, Washington University in St. Louis, and University of Missouri – Rolla. The attendance consisted of thirty-five students (some were student members of AIAA) and the rest were local AIAA members or perspective members. The meeting encouraged interaction among the different university design teams. The poster presentation allowed the AIAA members to mingle with the students and ask them questions about their design. All the design teams also brought hardware to display at their booths. MSC software provided Pizza, soda, salad and cookies for all attendees, which allowed for free admission. Many people thought this program was the highlight of the St. Louis AIAA Technical Specialist Meetings.</p> | |
| Joint Sponsorship? With what group(s)?: | None | |

Describe any publicity for the event:

The section programs and events were publicized to all members in the following manner:

Section Newsletter, Gateway News, mailed to members and available on our website, <http://www.me.wustl.edu/~aiaa/>

Flyer, mailed to members, posted on bulletin boards in the Boeing Company

Announcements posted in the daily Boeing News Now as calendar items or articles, (distributed to more than 15,000 employees)

E-mail notices with links to section web posting of flyer, all section flyers for the year are posted at <http://mesun4.wustl.edu/~aiaa/calendar0405.htm>

Section Web Calendar and "Upcoming Event" link on the home page, <http://www.me.wustl.edu/~aiaa/>

Section 2004-2005 calendar page, <http://www.me.wustl.edu/~aiaa/calendar0405.htm>

Explain how this event supports Career Enhancement):

Networking and learning opportunity, the students presenting may be a new employee soon

| Date | Name | Speaker |
|--|------------------------|---------------|
| 07 May 05 | Aerospace Trivia Night | Bob Dowgwillo |
| Speaker Affiliation: | | |
| Meeting Type: | | Other |
| If "Other", what type: | | Fund Raiser |
| Attendance: | | 43 |
| Description of Event: | | |
| Trivia Night - PCO Fundraiser | | |
| As far as we know, AIAA offers the only Aviation & Space Trivia Night. The trivia event was held in McMillan Cafe on the campus of Washington University. Mike Swartout, Education Chair, arranged for members of the Washington University AIAA Student Chapter to help set up tables and chairs for the event. Each trivia participant won an attendance prize, thanks to the generous donations from Boeing, NASA, AIAA, St. Louis Rams, USAA and others. The second place team donated their winnings back to the section to support precollege outreach activities. | | |
| Here are a few of the questions asked: | | |
| 1. Wally Funk & Jerry Cox were associated with what early "manned" space program? | | |
| 2. What aircraft was used to ferry James Bond's Aston Martin across the English Channel in "Dr. No"? | | |
| 3. What is the name of the organization you could join if you survived an emergency bail out from a disabled aircraft? | | |
| Trivia Answers: | | |
| 1. Project Mercury | | |
| 2. Carvair | | |
| 3. The Caterpillar Club was established in the early 1920's and is named for the silk worm, which produces the material used to make parachutes. | | |
| The trivia night garnered \$240 for 2005-06 precollege outreach activities | | |
| See flyer at http://mesun4.wustl.edu/~aiaa/TriviaFlyer05.pdf | | |
| Joint Sponsorship? With what group(s)?: | | |
| Student Chapter at Washington University/St. Louis - the student chapter arranged for the use of McMillan Cafe on campus at no charge. Students set up the tables and chairs for the event and also performed teardown afterwards. Their participation was essential in yielding a profitable event. | | |
| Describe any publicity for the event: | | |
| In addition to the flyers being posted on bulletin boards and in the AIAA Gateway newsletter, announcements were published, as example shown below, in the Boeing daily electronic news distributed via e-mail to all Boeing employees. AIAA members were also e-mailed notices of all section events. The following advertisement paragraphs were extracted from the Boeing News Now St. Louis editions. In addition, announcements for all PCO events were included in local community calendars on the St. Louis Post Dispatch web, http://www.stltoday.com/stltoday/calendar/pickers.nsf/SS/Home-Calendar?OpenDocument&from=20050319&to=20050523 | | |

and the local television station KMOV's website at http://www.kmov.com/community/stlcalendar_frameset.htm

Explain how this event supports Career Enhancement):

While challenging your boss in a game of trivia may seem unwise, showing what you know outside of the office has its advantages. The trivia night experience can be shared by a team or by individuals being put together to form a team. The forming of a team affords those people the opportunity to meet new people and form new networks that may lead to greater career opportunities. Playing with a pre-formed team offers the opportunity to solidify and advance career relationships.

| Date | Name | Speaker |
|---|----------------------------|----------------|
| 19 May 05 | Honors & Awards Banquet | Kevin Dolliole |
| Speaker Affiliation: | Dir. Lambert Int'l Airport | |
| Meeting Type: | Dinner Meeting | |
| If "Other", what type: | | |
| Attendance: | 45 | |
| Description of Event: | | |
| <p>The annual Honors & Awards banquet is a special night for our section. It is the most formal event of the calendar year. Many members choose to bring spouses to this dinner, to mix and mingle and get a glimpse of the activities surrounding our industry.</p> | | |
| <p>Two Young Professional Awards were presented. Dale Pitt presented Darin Haudrich his award and Chad Winkler received his award from Bill Bower. Each nominator shared with the audience the exemplary work the young men had performed leading to their nomination for this prestigious award.</p> | | |
| <p>The Lindbergh Award: In recognition of a distinguished contribution in applying aerospace technology to improving the quality of human life. This year's recipient was the USTRANSCOM at Scott Air Force Base. This unit of the military transports supplies to the services in 75% of the world and the medical unit transport wounded soldiers to appropriate locations for their best medical care. Brig. Gen. Tim Loftus accepted the award.</p> | | |
| <p>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. Michael Bland was honored with this award. Bill Getz presented the award after reading his nomination letter.</p> | | |
| <p>Section Service: In recognition of an outstanding contribution to the Section's activities by a member was presented to Trent Duff for his efforts in expanding the AIAA outreach to young members.</p> | | |
| <p>Tom Mroczkowski explained our role in judging at the Science Fair. The Science Fair winners were announced and acknowledged for their accomplishments.</p> | | |
| <p>We publicly recognize and acknowledge our council, committee members and all who have made this year a success for the section.</p> | | |
| <p>Our keynote speaker was Kevin Dolliole, the newly announced Director of Lambert International Airport. He shared the current status of the airport expansion, impact of the recent reduction of flights for American Airlines to the community, and the plans for the near future economic development that the airport expansion will facilitate.</p> | | |
| <p>Section Chair, Karen Copper, presented Vice Chair, Dale Pitt, with the traditional gavel plaque signifying a turning over of the section to the new council. Dale presented Karen with the national AIAA section chair certificate.</p> | | |
| Joint Sponsorship? With what group(s)?: | | |
| Describe any publicity for the event: | | |
| <p>In addition to the flyers being posted on bulletin boards and in the AIAA Gateway newsletter, announcements were published, as example shown below, in the Boeing daily electronic news distributed via e-mail to all Boeing employees. AIAA members were also e-mailed notices of all section events.</p> | | |
| Explain how this event supports Career Enhancement): | | |
| <p>As with all programs and events, the opportunity to socialize and network with others can have career impacts. Hearing of the accomplishments and contributions of the award recipients can create a link to those individuals as career related contacts.</p> | | |

| Date | Name | Speaker |
|----------------------|------------------------------------|-------------------|
| 26 May 05 | An Overview of Active Flow Control | Dr. Valdis Kibens |
| Speaker Affiliation: | | |

Meeting Type: Other
If "Other", what type: after work / light refreshments
Attendance: 12

Description of Event:

Dr. Kibens presented his recent AIAA technical paper that he had presented at the AIAA 2nd Annual Flow Control Conference. The presentation summarized Boeing's use of active flow control to improve the aerodynamic flows in various applications. These applications include the XV-15 hover download on the wing, control of hover jet acoustic noise, and improve the aerodynamic store release characteristics from weapon bays.

Joint Sponsorship? With what group(s)?:

None

Describe any publicity for the event:

The section programs and events were publicized to all members in the following manner:

Section Newsletter, Gateway News, mailed to members and available on our website, <http://www.me.wustl.edu/~aiaa/>

Flyer, mailed to members, posted on bulletin boards in the Boeing Company

Announcements posted in the daily Boeing News Now as calendar items or articles, (distributed to more than 15,000 employees)

E-mail notices with links to section web posting of flyer, all section flyers for the year are posted at <http://mesun4.wustl.edu/~aiaa/calendar0405.htm>

Section Web Calendar and "Upcoming Event" link on the home page, <http://www.me.wustl.edu/~aiaa/>

Section 2004-2005 calendar page, <http://www.me.wustl.edu/~aiaa/calendar0405.htm>

Explain how this event supports Career Enhancement):

Networking and learning opportunity

Describe any career enhancement programs, meetings or activities that are beneficial to career development that are not shown above. (max 500 words)

In preparation for the 2004-2005 year, on 14 May, Karen Copper, Walt Reschke and Larry Brase met with Jim Young, Vice President of Engineering at the Boeing Company in St. Louis to discuss the opportunity for engineers in the Boeing Technical Fellowship program to present their papers to an AIAA audience in preparation for presentations and to meet the teaching requirements of the technical fellowship program. Jim was very receptive to the concept and gave AIAA permission to contact the engineers in the program. The participation of the technical fellows provided an opportunity for engineers to learn and be inspired to pursue the technical fellowship program themselves. In addition, these interactions facilitated networking and mentoring opportunity for members with the technical fellows in both the Boeing and AIAA programs.

In addition, Jim supported our request to include AIAA information and membership materials in all engineering new hire orientation packages. He also posted a letter on his web endorsing membership in AIAA. The letter, Jim Young.pdf, is attached. Throughout the year, Jim has assisted the section in disseminating AIAA program information to his direct reports for flow down and endorsement to their team.

Larry Brase is arranging a proposal with Boeing to bring 6 AIAA short courses to Boeing's campus (Adaptive Structures, Aircraft Conceptual Design, Introduction to Aircraft Design Loads, Introduction to Weaponing, Optimal Design in Multidisciplinary Systems, UAV Technology). The Aircraft Conceptual Design course was held as a pilot course the week of 14 March for 25 students. (The full proposal, PD Proposal.pdf, is attached.)

The Young Professional committee and Career Enhancement committees met with the Boeing REACH Professional Development committee in January 2005 to discuss mutual objectives and develop upcoming events that AIAA and REACH could cosponsor. REACH is a program designed for new Boeing employees. REACH offers opportunities for networking, mentoring, serving the St. Louis community and socializing. REACH has a survey tool used for predicting turnout at events and tracks the respondent's membership in various organizations. This provided valuable information about our target audience in real time that was shared with presenters.

The CE committee met with Dr. Michael McCoy, St. Louis AIAA advisor to discuss methods of representing skills using 3 dimensional diagrams that employers such as Boeing might be interested in. We also discussed AIAA national organization progress and plans for CE resources and the national event at Reno, NV.

Many of the programs offered by the Technical Specialist, Young Professional, and Programs committees were mutually supportive of the Career Enhancement committee objectives.

Promotional flyers for all events may be found at the URL listed below.

Uploaded Files:

flyer.pdf

[VIEW >](#)

PD Proposal.pdf

[VIEW >](#)

Jim Young.pdf

[VIEW >](#)

URL Links

<http://mesun4.wustl.edu/~aiaa/calendar0405.htm>

[VIEW >](#)

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