

AIAA Evolution of Flight



Margaret J. Ringenberg, Pilot, Author and Speaker

This female aviation pioneer will be speaking at the upcoming AIAA Evolution of Flight Series. To find out more, turn to our ad in page 7.

Horizons

May 2002

AIAA Houston Section ◆ ONLINE ◆ www.jsc.nasa.gov/aiaa

News Membership Upcoming Events Committees Leadership Horizons

Becoming an AIAA member

Are you interested in becoming a member of the AIAA or renewing your membership? You can fill out a membership application online by going to the AIAA membership website at www.aiaa.org/information.

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May 24 Input Deadline for the Next Edition of *Horizons*

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Chairman's Corner

By Darby Cooper, Chairman

May!! I can't believe how fast 2002 is going!

Well, the Houston Section is keeping up with the hectic pace of 2002.

The year has already seen many successful AIAA events. We sponsored our second successful young professionals' workshop. This event continues to provide a unique opportunity for our young professionals. In fact, it has received attention from AIAA headquarters and we are preparing a guidebook so that other sections can follow our example. Congratulations to the workshop team for a highly successful event.

We have also held a joint meeting with ASME (American Society of Mechanical Engineers). This was a wonderful event and sets an example for future joint meetings with other professional societies. I know I enjoyed the opportunity to get together with the other professionals outside of our immediate technical community.

And our technical activities are also on a roll – several lunch-n-learns have been held and more are being planned for the spring. We are also working to plan the Annual Technical Symposium for mid-May to provide a stepping stone to the World Space Congress next fall.

Work continues to improve our membership communications. This is a comprehensive effort that addresses how we make information available to the membership both electronic (web and email) and print. Some of the changes have already been implemented, but more are on the way – stay tuned! If you would like to be involved in this effort, please feel free to contact me.

It continues to be an exciting and busy time for the section. I hope that if you have any suggestions, questions, or concerns feel free to contact me or any of the executive council members.

Congressional Visits Day 2002

By John Bendle, Public Policy Chair

AIAA's 6th annual Congressional Visits Day (CVD) occurred in Washington D.C. on March 20-21. CVD is AIAA's annual grass roots outreach effort that provides an opportunity for teams of AIAA members to meet face to face with Congress and their staff to discuss pertinent issues concerning the aerospace industry. This is a unique opportunity to discuss aerospace issues and concerns with Congress and offer AIAA as a resource for aerospace information. The Houston Section Participants for 2002 were John Bendle (Chair, Public Policy Committee), Nicole Smith (Section Chair Elect, VP-Technical), Wayne Rast (Member, Public Policy Committee), Mike Reeder, and Bill Atwell (Councilor; Member, Public Policy Committee; Chair, Life Sciences Technical Committee).

The first day of activities took place at the Washington Court Hotel and started with a welcome, orientation and message briefing. Paul Looney (AIAA Headquarters Public Policy Staff) presented the opening remarks followed by Cort Durocher (AIAA Executive Director) who made a welcoming address. Michael Beavin (AIAA Headquarters Public Policy Staff) presented a basic orientation that covered the protocol involved in meeting with members of Congress and a summary of what to expect. Marty Kress (AIAA Vice President of Public Policy) gave a briefing about the current political climate concerning the aerospace industry and what role AIAA should play in this dynamic time. Next, a review of the current issues was conducted. Carol Cash (AIAA Aeronautics Subcommittee) presented a Review of Aeronautics Issues, Phil Hattis (AIAA Space Subcommittee) presented a Review of Astronautics Issues and Rich Mercadante (AIAA Defense Subcommittee) presented a Review of Defense Issue.

The evening's Keynote Speaker was Robert Walker, Chair of the Presidential Commission on the Future of the United States Aerospace Industry. Mr. Walker spoke primarily about the second report of the Aerospace commission that was released on March 20, 2002 (<http://www.aerospacecommission.gov/>). The focus of the report was current aerospace business environment, export controls and air traffic control systems. He also stated that the commission, which was convened on November 27, 2001, and had a one-year charter, would not be addressing the International Space Station, since it was covered in depth by the Cost Assessment and Validation Task Force (CAV) chaired by A. Thomas Young. The evening concluded with a team breakout session to discuss strategy followed by a welcome reception to interface with AIAA members from other sections.

During the second day, events were split between the Washington Court Hotel and Capitol Hill. The morning's Guest Speaker was Congressman Sher-

wood Boehlert (R-NY), Chairman, House Science Committee. Congressman Boehlert stated that the House Science Committee champions the same causes as AIAA. The number one concern of the Committee is the workforce issue, also in the top five for AIAA. Additionally, the Committee is focused on the low math and science scores received by US students, aviation safety and the allocation of research and development dollars. He applauded NASA's recent efforts but stated the need for stronger management reform, cost control and prioritization of scientific application. He concluded with the statement that people are the most important resource, and we need to increase the opportunities at the undergraduate and graduate opportunities.

The luncheon guest speaker was Courtney Stadd, NASA Chief of Staff. Mr. Stadd spoke about the current state of NASA. He stated NASA is currently striving toward a single accounting system and is forming an Enterprise Council to create a vision of NASA for the future. Four areas that NASA is currently focusing on are competitive sourcing, Shuttle privatization, non-government organization and commercialization of space. Noted that even though NASA is clearly a civil agency, they realize it is beneficial to avoid duplication of technology with the Department of Defense. He concluded by stating that the current administration is focused on doing more with what they have than asking for more and is striving toward "one NASA."

The most important activity of CVD occurred on the second day, the Congressional Meetings. Meetings were held with the offices of Sen. Kay B. Hutchinson and Reps. Nick Lampson, Henry Bonilla, Sheila Jackson-Lee, Kevin Brady, Ralph Hall, Tom DeLay, and Chet Edwards. The meetings were an opportunity to discuss AIAA's top five issues, presented with an emphasis on those issues most important to the Houston section. This year's top five issues were Workforce Issues, Technology Readiness, National Aviation Research Technology Plan, Prioritized Investment in National Aerospace Research and Test Facilities, and Aerospace Policy Planning and Coordination Council. As in the past, the face to face meetings yielded very informative and often educational discussion about the aerospace industry and its perceived state from both the legislators' and the constituents' sides. The team also stressed that AIAA should be considered a resource for any aerospace issues. The event concluded with a reception on Capitol Hill.

While the event had a distinctly different flavor this year following the events of 9/11, it still generated an excellent exchange between AIAA Houston Section representatives and Texas members of Congress; in many cases furthering long standing relationships.

Follow on meetings will be held to continue the flow of information on a regular basis. For further information on CVD or other Public Policy issues, contact John Bendle at 281-244-4762.

AIAA Science Fair Winners

By Joy Conrad King, Pre-Collegiate Chair

On Friday March 22, Bill Proft (section secretary), Steve King (section councilor), and Joy Conrad King spent the evening judging at the 43rd annual Science and Engineering Fair of Houston. The fair serves as the regional fair for all public and private junior and senior high school students in the 16-county surrounding area.

The event was held in the Astroarena, and there were approximately 1200 projects in categories ranging from engineering to zoology.

AIAA was one of the Special Awarding Agencies at the fair. The Houston Section joined approximately 70 other organizations judging and selecting the projects that best fit their prize category. This year, the Houston section picked out a project in the Junior, Ninth Grade, and Senior Divisions that was the best study into the aerospace field. There were several good projects in each category, and several bright students as well. It was difficult to select the winners, but they were eventually dwindled down to:

Junior Division

The Magic of Flight

Kelly Minson

Memorial Parkway Junior

High, Houston

She made a scale model of an airplane wing and measured different angles of attack in a small wind tunnel that she constructed.

Ninth Grade

The Importance of Skin Surface on Cars

Cullen Handfelt Genesis and Numbers School, Magnolia

He altered the outer surface of several model cars by adding holes and rubber and measured the affect in a self-made wind tunnel.

Senior Division

Project Jupiter – Eliminating the Inaccuracies

Jonathan Delgado The Academy of Science and Technology, Conroe

He spent time observing Jupiter's moon at the George Observatory to refine a 17th century study that calculated the speed of light.

Each winner was awarded a copy of the book 'The New Way Things Work' by David McAulay signed by astronaut Jim Voss. They also received an AIAA T-shirt and some NASA pictures. They received the awards at the award ceremony for all fair winners held on Saturday, March 23.

The New Face of Space is Taking Shape

By John Keener, Publications Chair

The World Space Congress • 2002 (WSC • 2002) marks a new era of achievement and builds on its historic concept launched ten years ago when it was described as the most significant gathering of space professionals. From 10-19 October 2002 in Houston, Texas, the Congress will show the world what space can do to improve life on Earth and highlight the incredible advancements and business possibilities on the horizon. This time around, it's your chance to connect with over 13,000 leaders in space technology, business, government, engineering, science, and policy-making.

The WSC • 2002 combines the 34th Scientific Assembly of the Committee on Space Research (COSPAR) and the 53rd International Astronautical Congress of the International Astronautical Federation (IAF), International Academy of Astronautics (IAA), and International Institute of Space Law (IISL).

With an unparalleled breadth of activity and scope, The WSC • 2002 will feature over 4,000 technical and scientific research papers, showcase more than 40 concurrent daily sessions and general interest plenary tracks and include over 1000 scientific posters.

The Congress will cover a wide range of space topics within **Science, Technology, Infrastructure, Missions, Legal & Policy, Business & Applications, and Education & History**. Special plenary themes will examine four critical areas of interest: **International Space Station Utilization, Space Commercial Applications for Other Industries, Life Sciences and Biomedicine, and a Vision for the Next 25 Years of Scientific Investigations in Space**.

Topics of some of the plenary sessions being considered include:

- Satellite and On-the-Ground Earth Observations
- Humans Beyond Earth Orbit
- Space Research
- Space Business in the Early 21st Century
- Improving Access to Space
- Future Telecom, Earth Observation, Meteorology, and Navigation Breakthroughs
- The State of the International Space Station

A number of associated and other events will occur in Houston during the WSC • 2002 and will complement the core scientific and technical Congress of COSPAR, IAF, IAA, and IISL. In addition, the Congress will offer delegates a dynamic social program, social tours of local attractions, and scientific and technical tours of the facilities, laboratories, and corporations in the Houston area. For more information about any of the events described below, please visit <http://www.aiaa.org/WSC2002/special.cfm>.

Associated Events

Space Operations 2002 Conference (9-12 October)

Space Ops will provide a central forum and catalyst for facilitating the sharing and dissemination of technical data concerning space mission operations and ground data systems.

International Space Station Utilization—The Microgravity Environment (10-11 October)

These sessions will focus on the microgravity environment and measurement techniques on the International Space Station.

Other Events

The International Trade Exhibition:

The WSC • 2002 exhibition will be an exciting and dynamic manifestation of the space industry. Included in the exhibit hall will be an impressive array of country/agency pavilions, commercial pavilions, and corporate/program booths. Special features include exhibitor product demonstrations, student displays, and a bookstore of international scientific and technical publishers. In addition, public sessions inside the exhibition hall will include astronaut briefings on public days (18-19 October), media debriefing of resolutions reached during Space Policy Summit, and briefings by various government agencies. Less than one-third of the 350,000-square-foot exhibit space remains so act now to be a part of the largest space-related international exhibit.

Space Policy Summit (11-13 October):

Organized by the James A. Baker III Institute for Public Policy at Rice University and the AIAA and sponsored by the Lockheed Martin Corporation, the Space Policy Summit will allow governments, the international space industry, academia, and the end-user community to identify and discuss the major issues affecting the civil, commercial, and global security space sectors and will serve to raise awareness of critical issues confronting the space community and identify potential paths to resolve them.

Japan Forum on Satellite Communications Colloquium (11 October):

Organized by the AIAA-ICSSC-21 Organizing Committee, under the auspices of AIAA's Communication Systems Technical Committee, the AIAA Japan Forum on Satellite Communications, and Japanese space companies, *Broad Band Services through Satellites in Asia-Pacific* will focus on key technology and business topics from satellite communications executives representing key industry and government entities in Asia, Europe, and the Americas.

Space Generation Summit: Accelerating our Pace in Space (11-13 October)

The Space Generation Summit will gather young international delegates to refine and articulate a youth vision on the future of space activities and to communicate an overall vision for accelerating our pace in space.

AIAA Space Architecture Symposium (10-11 October)

The AIAA Design Engineering Technical Committee, AeroSpace Architecture Subcommittee is organizing the AIAA Space Architecture Symposium. The focus of this symposium will be to develop analysis, method, and theory for space architecture, and to substantiate these advances with design exemplars.

Educational and Student Outreach Activities

It is in the interest of WSC • 2002 sponsors and organizers to nurture the interests of young people in the space field and provide educational support in order to maintain a strong and vibrant workforce, and a well-educated public. Activities and events will target the spectrum of ages including K-12 up to young professionals, as well as the educators whose touch continues to develop the minds and influence the lives of the world's students on a daily basis.

Mark your calendar now for WSC • 2002. Plan now to take part in a history-making event—by presenting a technical paper, as an invited presenter, a delegate, a trade exhibitor,

sponsor, or advertiser—that will help set the world's course for a new decade of progress in space.

Information about Houston, registration, hotel accommodations, and transportation, and much more is accessible at www.aiaa.org/WSC2002. For specific questions about the space event of the decade, please e-mail wsc2002@aiaa.org.



American Institute of Aeronautics and Astronautics

HOUSTON SECTION • P.O. Box 57524 • Webster, Texas 77598

Web site: <http://www.jsc.nasa.gov/aiaa>

DARBY COOPER, CHAIRMAN 2001-2002

Monday May 20, 2002

11:30 AM – 12:30 PM

NASA JSC Building 2 Auditorium

AIAA Evolution of Flight

Celebrating the 100th Anniversary of the Wright Brothers first flight

Presents

“Yes, We Can!”

by

Margaret J. Ringenberg

Pilot: One of the original WASPs (now over 40, 000 hrs)

Author: “*Girls Can’t be Pilots*” (Daedalus Press, 1998)

“A Visionary”: as described by NBC’s Tom Brokaw



Margaret Ringenberg ready for flight in a PT-19A



AIAA



Evolution of Flight

Celebrating the 100th Anniversary of the Wright Brothers first Flight

Margaret Ringenberg’s, Pilot, Author, and Speaker, dream took flight in the Women’s Air Force Service Pilot (WASP) in 1943. She became a flight instructor in 1945, and has flown as a commercial pilot and instructor ever since. She has been racing since 1957 including the last 20 Powder Puff Derby’s, every Classic Air Race since 1977, the Grand Prix, the Denver Mile High, and others. She has won numerous times and has over 150 trophies. From the time she soloed in 1941 until she completed the 'Round-the-World Air Race in 1994 at the age of 72, she logged over 40,000 hours. NBC Nightly News’s, Tom Brokaw devoted a chapter to her in his best selling book, *The Greatest Generation*, and she has written a book of her own, *Girl’s Can’t Be Pilots*. In 1999 she received the NAA Elder Statesman in Aviation award in a presentation ceremony in Washington D.C. and in December she was honored in *Woman Pilot Magazine*. In March of 2001 at the age of 80, she flew a race from London, England, to Sydney, Australia. She has not only made history, set records and won trophies: she has changed lives. All while doing what she loves – flying.

Margaret J. Ringenberg will speak on:

- The adventures and challenges that faced the pioneers of female aviation as a WASP
- Her experiences and insight as a pilot and flight instructor logging over 40,000 hours since 1943 in both military and private aircraft
- The excitement and challenges she faced in numerous air races around the world
- Her knowledge on how to fly safely
- She will provide her motivational thoughts on aiming high and achieving your goals.

Monday May 20, 2002

11:30 AM – 12:30 PM

NASA JSC Building 2 Auditorium

Information contact: Russ Filler, 281- 483-6904 rfiller@ems.nasa.gov

INNOVATIONS 2002

Organized by
The Clear Lake Council of Technical Societies (CLCTS)
in cooperation with and co-sponsored by CLCTS member organizations
AIAA, IEEE, ISA, ISSA & INCOSE

THURSDAY, MAY 16th, 2002

At
Bayou Building, UNIVERSITY OF HOUSTON - CLEAR LAKE

Registration starts at 11:30 am

NOON LUNCHEON (details will be announced soon)

PROGRAM

1:15 - 2:00 p.m. **Technical Sessions (A)**
Parallel sessions organized by the member Societies
2:05 - 2:50 p.m. **Technical Sessions (B)**
Parallel sessions organized by the member Societies
2:55 - 3:35 p.m. **Technical Sessions (C)**
Parallel sessions organized by the member Societies
3:35 - 4:00 p.m. **Reception**
Hosted by local Aerospace Companies.

INDIVIDUAL SESSIONS OF *INNOVATIONS 2002* ARE ORGANIZED BY MEMBER ORGANIZATIONS OF CLCTS. Each session will consist of 2 to 3 papers.

Deadline for submission of Abstracts is Wednesday, April 2nd, 2002
Please submit your abstracts to your society officers - AIAA, CASS, IEEE, ISA, ISSA, and INCOSE

For any additional information on the conference, please contact:
General Chairman, **Dr. James Dabney (dabney@cl.uh.edu)** 281-283-3852 or
Program Chairman - Zafar Taqvi at 281-244-4436 (Z.Taqvi@ieee.org)

FOR REGISTRATION: Contact Sheryl at 281-483-8243

**Full Day Program = \$12.00, Luncheon Only = \$7.50, INNOVATIONS 2002 Only = \$5.00
WAR 2002 Only = **FREE****

REGISTRATION DEADLINE: May 7th, 2002

**INNOVATIONS 2002 IS SPONSORED BY
THE JAIPCC EXECUTIVE BOARD**

The WAR 2002 Workshop will be held in the morning of May 16th, 2002 at the same location as INNOVATIONS 2002. Luncheon is common to both events.

AIAA April Dinner Meeting

By Steven King, Section Councilor

The Houston Section hosted a Dinner Meeting on Thursday, April 25th at the Nassau Bay Hilton, Clear Lake. We were fortunate to have Dr. William Ailor, Director of the Aerospace Center for Orbital and Reentry Debris Studies. He presented a talk on "Meteoroids, Space Debris and Related Space Hazards."

The presentation provided a basic overview of the origin of meteor showers and storms, the emerging problem of man-made debris in orbit, and the hazards posed to satellites by these aspects of the space environment. In addition, the presentation covered the reentry of space hardware into the atmosphere and answered the question "does everything burn up before hitting the ground?" A short video of recent space hardware reentries was included.



Dr. William Ailor

Dr. Ailor received a Ph.D. degree from Purdue University and joined The Aerospace Corporation in 1974. He spent 15 years conducting analyses on spacecraft reentry and reentry breakup. He received a NASA Group Achievement Award in 1992 for his work helping to understand the reentry breakup characteristics of the Space Shuttle External Tank. He was chair of the Reentry Subpanel of the Interagency Nuclear Safety Review Panel (INSRP) for the Galileo, Ulysses, Cassini, and Mars Explorer missions. He was appointed director of Aerospace's Center for Orbital and Reentry Debris Studies when it was formed in June 1997.

Resources for Developing Your Professional Career

By Jesus Reyna, Jr., Professional Development Chair

The national AIAA homepage at www.aiaa.org contains a wealth of resources for developing your professional career to help you realize your full potential. Here are some previews of what you can find:

Professional Career Timeline - Checklist of strategic moves for every phase of your career.

Job Hunting-Nine Steps to Success - A self-help guide to assist you in finding the right job for you.

Resume Posting Service - Post your resume on the AIAA homepage for free. Get the exposure you need. This service makes your resume available to top-ranked aviation, defense, and space organizations worldwide. Employers can then search the database quickly and easily using keywords to match your qualifications with their requirements.

Online Career Opportunities Listing - Organizations post job openings on the AIAA page, giving members an opportunity to review available positions across the country and abroad.

Directory of Consultants - Consultants can post their information in the database. Employers can search for the talent they need.

Other Online Resources - Links to other career-related internet sites.

Online Membership Directory - A listing of AIAA members. This database helps you stay connected with colleagues worldwide.

Help AIAA Help You - Update Your Member Records

By Henry Schmidt, Membership Chair

Some of us in Aerospace have been here quite a while. Why don't you let yourself get recognized for it by updating your file to Senior Member? It doesn't cost you anything and you let the younger folks whom to call with experience.

Our industry is hard pressed for getting the word out to those who need help in our industry. We owe it to the young people and ourselves to open ourselves up to helping others. Also, AIAA and our colleagues recognize us.

With all of these potential changes, have you verified if your AIAA member record is up to date? Knowing where our members are working is vital to the Houston Section in obtaining corporate support for local AIAA activities (such as our monthly dinner meeting, workshops, etc.). Please take a few minutes and visit the AIAA website at <http://www.aiaa.org/> to update your member information or call customer service at 1-800-NEW-AIAA (639-2422). Feel free to also contact the section's Membership Chair, Henry J at 281-244-4629. If you prefer, contact me by e-mail at henry.j.schmidt@boeing.com.

Becoming an AIAA Member or Renewing Your Existing Membership

By Henry Schmidt, Membership Chair

You are missing out, when you are not an AIAA member. For one thing, you get a monthly magazine called "Aerospace America," with all different types of articles on pertinent information to our industry. You are notified of meetings, symposia's, and conferences. You are able to get periodicals and books on the cutting edge technology in your field. So, don't miss out, join today!

You can fill out a membership application online by going to the AIAA National website at <http://store.aiaa.org/memberships.cfm> or call 1-800-NEW-AIAA (639-2422).

Please note if you have not used the AIAA on-line store then you will need to set up an account before purchasing a new membership (or even if you are renewing your membership). If you are purchasing a new membership the "store" will assign a temporary account access number to you until you have an AIAA membership number assigned to you. All existing members will use their membership numbers to establish an account.

Also if you know any students who would like to upgrade from a student member to professional member, all they need to do is submit a professional membership form and indicate that they are upgrading. This will enable that person to receive their first year of professional membership free.

If you are or know someone who needs to transfer their membership affiliation to the Houston section, please go or direct them to the following website to update membership information, <http://www.aiaa.org/Members/index.hfm?memo=2>.

If you have any questions regarding any of the items addressed above please feel free to call AIAA National customer service number listed earlier. You can contact our section Membership Chair, Henry J at 281-244-4629. Or, if you prefer, contact me by e-mail at henry.j.schmidt@boeing.com.

Table 1: Membership Type Description

Membership Type	Description	Fee
Student	Persons interested in aeronautics or astronautics whose primary activity is study at a recognized college, university, and secondary schools offering curricula and studies acceptable to the Institute.	\$10 (1 February to 30 June) \$20 (1 July to 31 January)
Return to Full-time Study	Members are eligible for this dues discount when taking 12 credits or more at a recognized college or university. You retain your professional member status.	\$42.50
Associate	Persons interested in the development or application of aeronautics and astronautics.	\$85.00
Young Professional	If you meet the qualifications of Member or Associate Member, are within your first five years of professional practice, 35 years of age or younger and have never been a student member, you are eligible to join at half the current dues rate.	\$42.50
Professional	Persons shall have achieved a Bachelor degree in science or engineering, or equivalent qualifications through professional practice.	\$85.00
Fellow	Fellow Renewal	\$100.00
Spouse	When two members, who meet the requirements of Member or Associate member are married to each other, one of the spouses may pay dues at half the current dues rate. Both members will receive full privileges, but only one copy of Aerospace America will be mailed. Spouse name and ID number are required.	\$42.50
Retired	Any member in good standing who has fully retired may take advantage of this rate. (excludes Fellows, see Retired Fellows).	\$42.50
Retired Fellow	Any Fellow in good standing who has fully retired may take advantage of this rate.	\$50.00
Lifetime	Persons shall have achieved a Bachelor degree in science or engineering or equivalent qualifications through professional practice and wishes to make a one-time dues payment.	\$1275.00
Unemployed	Any member in good standing may take advantage of this rate. You will have to indicate your status at renewal time.	\$42.50

American Institute of Aeronautics and Astronautics Houston Section

Automation & Robotics Technical Committee Presents

WAR 2002

WORKSHOP ON AUTOMATION & ROBOTICS

Thursday, May 16th, 2002

UNIVERSITY OF HOUSTON - CLEAR LAKE
BAYOU BUILDING

State of Art Presentations

- | | |
|----------------------------|---|
| 8:00 a.m. | Registration |
| 8:30 a.m. | Presentations
(Details of the presentations will be provided later) |
| 11:30 a.m.
To 1:00 p.m. | Lunch
(combined lunch for WAR 2002 & INNOVATIONS 2002 attendees) |

General Chairman: Dr. Gary Funk, Foxboro

Co-sponsored by the Instrument Society of America, Robotics and Expert Systems Division

Workshop Cost: **FREE**
(Registration is **Required**)

Deadline for Registration: May 7th, 2002
Cost for Lunch: \$7.50

Contact Sheryl (281-483-8243) to register for WAR 2002, lunch, &/or INNOVATIONS 2002.

Contact James Dabney (281-283-3852) for information about INNOVATIONS 2002.

Calendar of Events

May 2002

5/14 – 5/17 Space Mechanisms Technology Workshop

- Ohio Aerospace Institute, Cleveland, OH. The symposium is concerned with problems in design, fabrication and use of mechanisms. The workshop will deal with technology that is needed for the future.

5/16 WAR 2002 Workshop

- Location: Gilruth Recreation Center, NASA JSC, Houston, TX.
- Workshop on Automation and Robotics.
- Registration deadline: May 7, 2002

5/16 INNOVATION 2002 Symposium

- Location: Bayou Building, University of Houston Clearlake
- Multi-society symposium.
- Abstract submission deadline: April 2, 2002

5/21 – 5/23 AIAA X-Vehicles Symposium

- Location: Westin Hotel, Santa Clara, CA
- Symposium featuring the past, present and future contributions of X-vehicles to aerospace endeavors.

- Featured speakers: NASA Administrator Sean O’Keefe and Secretary of Transportation Norman Mineta.
- See ad in previous page

5/30 The B-2 Bomber: Vital Weapon System or White Elephant? presented by Professor John Valasek

- Part of the Section’s Dinner Lecture Series; our distinguished lecturer will discuss this subject, which should be of interest to anyone wanting to know more about Pentagon weapon systems procurements.

TBD Global Air and Space 2002 Conference

- Location: Washington, D.C.

June 2002

TBD AIAA Houston Section Annual Awards Banquet

October 2002

10/11 – 10/20 World Space Congress 2002

- Location: George R. Brown Convention Center, Houston, TX.
- Event is billed as the “meeting of the decade for space professionals.”



Houston Section

P.O. Box 57524
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May 2002
