

Climate Change Engineering, Science & Public Policy

AIAA Houston Section Dinner Meeting
Tuesday, November 3, 2015, NASA/JSC Gilruth Center Alamo Ballroom
Douglas Yazell, Councilor
AIAA Houston Section
The American Institute of Aeronautics and Astronautics

Dinner Meeting Guests of Honor

- Ian Mills, NASA JSC ISS Robotics Operations
- Bruce McCarl, PhD, Texas A&M University at College Station, 2007 Nobel Peace Prize laureate

Thanks:

- Tesla Motors, the loan of a Tesla Model S for inspection after the meeting, thanks to Jesi Hoolihan
- Norman Chaffee, NASA/JSC retired, Saturn V visit at NASA/JSC Rocket Park
- Steve Bundrick, professional audio and Information Technology (IT) support, thanks to Angela Beck

<https://www.eventbrite.com/e/climate-change-engineering-science-public-policy-dinner-meeting-tickets-18919181782>

<http://www.aiaahouston.org/event/dr-bruce-mccarl-climate-change-science-public-policy/#rsvp>

International Space Activities Committee (ISAC)

The current membership list for AIAA Houston Section ISAC (please look us up and join us: www.aiaa-houston.org/tc/isac):

1. Ludmila Dmitriev-Odier, United Space Alliance, Chair
2. George Abbey, Jr., United Space Alliance
3. Linda Andruske, NASA/KSC
4. Dr. Albert Jackson, Jacobs, FBIS (Fellow, British Interplanetary Society), Visiting Scientist, Lunar Planetary Institute - <http://www.lpi.usra.edu/lpi/jackson>
5. David Jib, NASA/JSC
6. Michael Kezirian, Engineer - The Boeing Company, Adjunct Professor - University of Southern California
7. James McLane III
8. Patricia Moloney, NASA/JSC
9. Dr. Zafar Taqvi, Barrios
10. Chris Taylor
11. Dr. Gary Turner, Odyssey Space Research
12. Douglas Yazell, Honeywell

Section News



Left to right: Retired Colonel Richard (Dick) Cole of the Doolittle Raiders with ISAC and Chinese sister section member James McLane III

Above: After enjoying our section's lunch-and-learn by Dr. Albert A. Jackson a few months ago (attendance 130 in a NASA auditorium), James McLane III looked for and found some of his photos which he took more than 40 years ago when von Braun visited Texas A&M University at College Station. The year was probably 1966. This was taken at a reception following a speech about Apollo plans. The teenage girl in the background is von Braun's daughter Iris. Jim took this with available light using 35 mm Kodak tri-X pan and printed it himself on high-contrast enlarging paper.

Horizons,
newsletter of AIAA Houston Section

Special reprint issue, 2015

The articles of
James C. McLane III (1945 - 2015)

57 pages,
slideshow during our dinner meal

The McLane Family

www.aiaahouston.org/newsletter



2015 Texas–Oklahoma flood and tornado outbreak (Wikipedia)



These clouds formed quickly over Bull Creek park after the intense wave of Memorial Day storms in Austin. These are usually associated with tornadoes, which had occurred earlier in the day. Matt Roberts. Austin Mammatus Clouds

Taken from Climate Reality Project

Miami 2015

Cities in the USA Using 100% Renewable Energy

1. Greensburg, Kansas
2. Burlington, Vermont
3. Aspen, Colorado
4. Georgetown, Texas by 2017

houstonpublicmedia.org

Lost Work Days Add To Costs From Flood Damage

Andrew Schneider, May 27th, 2015



houstonpublicmedia.org

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Andrew Schneider, May 27th, 2015



Wimberly, Texas 2015

NPR.org

More Severe Storms Possible For Flood-Hit Texas

MAY 27, 2015



Eric Gay/AP

Blanco River

Norman Chaffee
NASA/JSC, retired
AIAA Associate Fellow, AIAA Houston Section Chair, 1981-1982

Our host for a Saturn V tour at NASA/JSC Rocket Park
for 2007 Nobel laureate Dr. Bruce McCarl
& a few invited guests prior to the dinner meeting



Interview with Norman H. Chaffee: Observations from a Long NASA Career

SEAN KEEFE, ASSISTANT EDITOR, HORIZONS

Norman Chaffee is a busy person. You wouldn't guess that he has retired from NASA because he is still involved

Chief of Robotics.

Norm studied chemical engineering at Rice University from 1955 to 1958. He holds bachelors and Masters degrees from Tulsa University in Chemical Engineering, but he doesn't limit himself to that discipline. Norm's broad interests cover a wide range of subjects, including opera, philosophy, and psychology. He has been a lifelong learner, continually studying management through NASA and the University of Houston and doing continuing education courses in many subjects since the 1970s. Norm excelled in his career, earning several special awards for his engineering, management, and leadership skills—including NASA Outstanding Leadership Medal. More recently, he has been actively involved with educational outreach, for which he was awarded the Exceptional Public Service Medal by NASA. Throughout his career at

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NASA's 50th Anniversary



He continued there a contractor for seven years, and since 2005, he has been an enthusi-

Above: Norm Chaffee (photo by Sean Keefe)

Tesla Motors

Tesla Model S electric luxury car on display for inspection after the dinner meeting. Given the theme of our dinner meeting, AIAA Houston Section volunteer & Tesla Motors Product Specialist Jesi Hoolihan suggested to Tesla Motors that she bring the automobile to our meeting.

“Tesla's award winning Model S, now with Autopilot features, is an evolution in automobile engineering. Our advanced electric drivetrain will propel you from 0 to 60 mph in as little as 2.8 seconds, without hesitation and without a drop of gasoline. With the highest safety rating in America and up to 270 miles range, Model S redefines performance driving.

“Experience Model S in Houston at the November AIAA Meeting.”



Jesi Hoolihan



www.climatecentral.org
climate.nasa.org

International Space Station Climate Science Instruments

