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International Flight Test News



NASA's First All-Female Spacewalk Makes History - International Space Station

US astronauts Christina Koch and Jessica Meir became the first all-female pairing to carry out a spacewalk today, a historic milestone as NASA prepares to send the first woman to the Moon. Koch, an electrical engineer who is leading the mission, is carrying out her fourth spacewalk and was hooked up to the station's robot arm. Meir, who holds a doctorate in marine biology and is making her first ever spacewalk, made her way carefully across using handles. The two were working to replace a faulty battery charge/discharge unit, known as a BCDU. The station relies on solar power but is out of direct sunlight for much of its orbit and therefore needs batteries, and the BCDUs regulate the amount of charge that goes into them. [New York Times](#)



SyberJet Successfully Completes First Flight of SJ30i Series Aircraft - San Antonio, TX

[SyberJet Aircraft](#) has successfully completed the first flight of its SJ30i aircraft featuring SyberVision™, an all-new cockpit based around the Honeywell Epic 2.0 avionics suite, new ergonomic enhancements, electronic standby attitude/heading display, and much more. SyberJet conducted the flight on 11

October out of its Engineering and Product Development Center at the San Antonio International Airport (KSAT) and kicked off an 18-month certification test program which will culminate in an amended type certificate for the SJ30i and immediate subsequent deliveries thereafter. Mark Elwess (M), Chief Engineering Test Pilot and Senior Flight Test Engineer Robert Moehle put the aircraft through its paces during the flight. The SJ30i, with SyberVision™, retains all of the same performance characteristics of SyberJet's current SJ30-2 model but features four 12-inch liquid crystal displays, including the SmartView™ synthetic vision system (SVS), INAV™ moving map display system, electronics charts/maps, TCAS II, TAWS Level A, synoptic displays, dual flight management systems (FMS) with dual WAAS GPS/LPV, single inertial navigation system (IRS), onboard weather radar, full EICAS, electronic checklists, DME, ADS-B Out, and 0.3 nm RNP, as well as support for FANS-1A, SmartLanding™, SmartRunway™, TOLD, ADS-B In, emergency descent mode, and RVSM operations. Options include CPDLC, XM weather, flight data recorder, cockpit voice recorder, dual charts/maps, HF radio, SATCOM, enhanced vision systems, second MFD, and the flexibility for other customer requests. [Yahoo!](#)



XQ-58A Valkyrie Drone Suffers Damage After Third Flight Test – Yuma, AZ

The Kratos XQ-58A Valkyrie unmanned aircraft sustained some amount of damage in a recent mishap on Oct. 9, 2019, after the XQ-58A had landed. High surface winds and a malfunction of the vehicle's provisional flight test recovery system resulted in a mishap. The prototype cushion system, which was employed for the initial test series but is not intended for ultimate operational use, suffered an anomaly resulting in the aircraft sustaining damage upon touchdown. Though past Air Force concept art of a notional low-cost attritable aircraft showed a tricycle landing gear configuration, Kratos has been recovering the XQ-58A after test flights using a traditional parachute recovery system. This means that after the drone finishes its flight, its engine shuts off and it deploys a parachute. Airbags also deploy and cushion the unmanned aircraft when it hits the ground. This is a proven concept that has been in use on drones since the 1970s and it's unclear how the malfunction occurred in this particular incident. [The Drive](#)

Chapter News



Canadian Chapter New Officers



President

Marko Ivankovic^M
Bombardier Aerospace



Vice President

Dr. Andre Celere^M
International Test Pilots School



Secretary/Treasurer

João Otávio Falcão^M
International Test Pilots School



South Florida Chapter

15 October, 2019

Southern Pig & Cattle Co.



Chapter President **Dr. Lester Ingham**SM discussed his experiences as an FTE in South Africa.



North Texas Chapter



USMC Col. (Ret.) John Albers (M)

Why Test Pilots Make the World A Better Place

22 October, 2019

University of Texas at Dallas



SR-71

USAF Col. (Ret.) Rich Graham

19 November, 2019

University of Texas at Dallas

Col. Graham flew the SR-71 for the seven years, amassing 756 hours in the world's fastest and highest-flying aircraft. He has written four books on the SR-71 Blackbird and will have a few books available for purchase and signing afterwards.



Wright Chapter Lunch 'n' Learn

Sojourn Cyclery

Professor Jay Kinsinger, Cedarville University

25 October, 2019

China Garden Buffet

Dayton, Ohio





Rocket City Chapter ULA Tour



United Launch Alliance Tour

25 October, 2019

Tour of ULA's Decatur facility to see how Atlas and Delta Rockets are assembled

Contact Chapter President **Derek Donewar**^M at djd0020@alumni.uah.edu by 9 October



SFTE Technical Paper Database

Toulouse tech papers are now available in the database

Also, to get to the paper download the search must return only one response (so narrow the search if you get multiple responses).

Non-members can purchase tech papers for \$15 each at: <https://www.123signup.com/register?id=rszxy>



Technical Council Webinar

Save the Date

20 November 2019

Membership

Apply for an upgrade to Senior Member!

Have you been a member continuously for 5 or 10 years and presented SFTE papers and/or been an SFTE officer?

Apply for an upgrade to your membership at the link below. Please answer questions to the best of your knowledge, especially SFTE officer positions and/or presentations at SFTE symposiums or workshops and what years.

Senior Member Criteria

Primarily engaged in the field of flight testing and fulfill **one of the following two sets of criteria:**

Criteria 1

- A. Active member for at least **5 consecutive years**
- B. Held a position as a local or international Society officer, Tech Council Member, or Symposium committee member (or a combination thereof) for at least two terms
- C. Written and formally presented at least 2 formal technical papers at an SFTE symposium or workshop

Criteria 2

- A. Active member for at least **10 consecutive years**
- B. Either 1B or 1C from above

Apply for your upgrade at:

<https://s01.123signup.com/servlet/SignUpMember?PG=1538549182300&P=15385491911433324500>

4 Year Renewal Option!

Renew for 4 Years and **save \$20** on your membership renewal.

50th Anniversary Member Renewal Items for 2019!

Make sure you renew your membership this year to receive the following member items to celebrate the 50th Anniversary of SFTE.

Don't worry, if you would like to renew early to receive your items early your membership will be extended from its annual due date.



50th Anniversary Patch for all Members



50th Anniversary Personalized Member Certificate for Members, Senior Members, and Fellows

This classic format from the beginning of SFTE returns but with the special 50th Anniversary logo designed by the SFTE Coastal Empire Chapter.

Join/Renew SFTE membership

SFTE Member Level denoted as Exponent (SETP in parenthesis)
 ST - Student Member

AL – Affiliate Member
AS – Associate Member
M – Member
SM – Senior Member
F – Fellow
(HF) – Honorary Fellow
(PAM) - Provisional Associate Member

For more info on SFTE member grades & to apply for upgrade:
<http://www.sfte.org/membership-individual/>

2019 Calendar

22 October

North Texas Chapter/SETP/AIAA - Why Test Pilots Make the World A Better Place, John Albers (M), UT Dallas

25 October

Wright Chapter - Sojourn Cyclery by Professor Jay Kinsinger, China Garden Buffet, Dayton

25 October

Rocket City - ULA Tour, Contact Derek Donewar djd0020@alumni.uah.edu by 9 October

1 November

North Texas Chapter/SETP/AIAA - 1st Friday at the Flying Saucer, Fort Worth

13 November

North Texas Chapter/SETP/AIAA – Monthly Meeting, UT Arlington

~~21~~ 14 November

South Florida Chapter – Monthly Meeting at ~~Twisted Trunk on PGA~~ **Yard House in Palm Beach Gardens**

19 November

North Texas Chapter/SETP/AIAA – SR-71 by Rich Graham, UT Dallas

20 November

Tech Council Webinar

6 December

North Texas Chapter/SETP/AIAA - 1st Friday at the Flying Saucer, Fort Worth

12-13 December

SFTE Canadian Chapter - 8th Annual ITPS Flight Test Seminar London, Ontario, FREE to Canadian SETP and SFTE Members. Contact Kelly Morrison kelly@itpscanada.com for registration and info

2020 Calendar

4-7 May

SFTE/SETP/AIAA Flight Test Safety Workshop, Denver, CO

Sept.

51st Annual SFTE Symposium – St. Louis, MO



[Join/Renew SFTE membership](#)

Have some Flight Test news or Chapter Events to share?

Just send as a reply to this email. Make sure it is public-released information and/or reference a news release. Include names of SFTE members contributing to the events.