



# COMMERCIAL SPACEFLIGHT FEDERATION

## REM Affiliates Fall Newsletter

*CSF REM Affiliates,*

I wanted to start by saying that I look forward to working closely with all of you in my new role as CSF President! I would like to schedule a REM Affiliates call next month which will be a great opportunity for me to get to know everyone further. Please fill out this doodle poll to let us know when you are available for the call: <http://doodle.com/m92k5u7ipvz4k8ay>.

We held our semi-annual CSF Board and Members Meetings September 9-10 in Jacksonville, FL. A lot of [great developments](#) came out of the meetings that I believe will continue to move our organization in the right direction. The Board of Directors elected Frank DiBello, President and CEO of Space Florida, as the new CSF Chairman succeeding Stu Witt, the CEO of Mojave Air and Space Port. The Board also elected Mike Gold of Bigelow Aerospace and Sean Mahoney of Masten Space Systems to the Executive Committee.

Additionally, October marked the beginning of a few staffing changes here at CSF. [Tommy Sanford](#) assumed the role of Director on October 1st. Additionally, Mike L-A has left CSF as of September 30th; we can't thank him enough for his service not just to the Federation, but to the industry as a whole.

Please feel free to reach out to me by email at [eric.stallmer@commercialspaceflight.org](mailto:eric.stallmer@commercialspaceflight.org) or by phone at 202-715-2925. I look forward to talking with you all soon!

Sincerely,  
Eric

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## EDUCATION NEWS AND CONTESTS

### [NASA Space Technology Research Fellowships \(NSTRF\) – Fall 2015](#)

**Due: November 13, 2014**

This call for graduate student fellowship applications solicits applications from individuals pursuing or planning to pursue master's (e.g., M.S.) or doctoral (e.g., Ph.D.) degrees in relevant space technology disciplines at accredited U.S. universities. NASA Space Technology Fellows will perform innovative space technology research and will improve America's technological competitiveness by providing the Nation with a pipeline of innovative space technologies.

### [Humans in Space Art: Video Challenge](#)

**Due: November 15, 2014**

Through the international Humans in Space Art Challenge, we invite you to explore "How will space, science, and technology benefit humanity?" and to express your answer creatively in a video 3 minutes long or less.

### [SARG Ambassador](#)

Professors and researchers - Become a Suborbital Applications Research Group Ambassador! A SARG Ambassador works to increase awareness of the potential applications of commercial suborbital vehicles in the science, R&D, and education communities. Learn more about becoming a SARG Ambassador [here!](#)

### [CSF Seeks Spring 2015 Interns](#)

The Commercial Spaceflight Federation is seeking candidates for Spring 2015 internships in our Washington, DC office! Learn more about the CSF internship experience [here](#).

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## POLICY UPDATE

With Congress back in Washington, a lot happened on the policy front. On September

10th, the House Space Subcommittee held a hearing on planetary science topics, the Asteroid Retrieval Mission, and the Posey-Kilmer ASTEROIDS Act on asteroid resource prospecting and extraction rights. Several Representatives raised interesting questions related to asteroid resources, and the Committee's leadership promised to continue discussions on this important bill in the next Congress.

Concurrently, the general topic of federal oversight of commercial space activities beyond (but also in) Earth orbit came up again at the September Members Meeting in Jacksonville. Specifically, recent specific licensing requests by a few commercial space companies have led the State Department to ask what federal agency would meet the Outer Space Treaty's requirement that the U.S. government authorize and continually supervise their activities. The CSF has created a committee to work on these and other on-orbit issues.

The CSF Export Control Reform Committee has been meeting with government representatives to discuss on-going concerns on the Category XV rule of the USML. The interim final rule of Category XV released earlier this year by State will go into effect November 10. Please feel free to call staff if you have any questions about the new rule.

Meanwhile, the Congress enacted a Continuing Resolution bill, which extends government funding at FY2014 levels through December 11th, and then decided to adjourn until after the November election (Congress had previously planned to be in session the week of September 29th). Unfortunately, this move shut down progress that had been made within the Senate to pass a bipartisan NASA Authorization bill, and therefore may prevent House and Senate staffers from working to resolve differences between their respective bills until after the election.

Finally, in a recent speech before COMSTAC participants, Representative Lamar Smith, Chair of the House Science, Space, & Technology Committee, indicated that he did not expect a full CSLA reauthorization bill to be enacted during the post-election lame duck session. Staff has since indicated that a more limited bill may still be considered, and CSF will continue to look for ways to enact a renewal of the learning period.

As always, please feel free to reach out to us if you have any questions on these or other policy topics.

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## **UPCOMING EVENTS AND DEADLINES**

[7th Wernher von Braun Memorial Symposium](#)

October 27 - 30, 2014 | Huntsville, AL

This symposium will focus on using the International Space Station to prepare for human exploration beyond low Earth orbit; progress report on SLS and Orion; perspectives on space exploration from the Millennial Generation; future exploration mission planning; advanced propulsion technologies; and Washington DC perspectives on exploration.

[SpaceVision 2014](#)

**October 30 - November 2, 2014 | Durham, NC**

Join hundreds of passionate young professionals and students for the annual national conference of Students for the Exploration and Development of Space (SEDS).

[Av Spacefest: Accelerating Discovery](#)

**November 20 - 22, 2014 | Seattle, WA**

This three-day public event (see below) hosted by the [Museum of Flight](#) will feature presentations, demonstrations, and activities with the leaders of the national and commercial space industry. The focus is on new advancements and discoveries in the world of space flight and research, highlighting the companies and people leading the way. Contact the Museum of Flight at [Public\\_Programs-All@museumofflight.org](mailto:Public_Programs-All@museumofflight.org) if your organization is interested in speaking, hosting an interactive experience, or creating a booth display at the event!



If you would like to have your organization's event posted, please email us at: [REM@commercialspaceflight.org](mailto:REM@commercialspaceflight.org).

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**CSF UPDATES**

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**Commercial Spaceflight Federation Welcomed New Associate Members.** [BRPH](#), [The Robert A. & Virginia Heinlein Prize Trust](#), [Swiss Space Systems USA Holdings](#), and [InterFlight Global](#) have each joined as Associate Members.

**Eric Stallmer Named President of the Commercial Spaceflight Federation.** The CSF is pleased to announce that [Eric Stallmer has been named as its next President](#). Stallmer joined CSF staff as Incoming President in early September and assumed the position of President following the departure of Michael Lopez-Alegria on September 30th.

**CSF Moved to New Location.** As of July 28, 2014, the Commercial Spaceflight Federation office is located at [500 New Jersey Avenue NW, Suite 400, Washington, D.C. 20001](#). You can reach us via phone at [202-715-2928](#).

**CSF Held Successful Board and Members Meetings.** CSF held the semi-annual meetings of the Board and Members September 9-10. The event, hosted in Jacksonville, Florida with the help of [Cecil Air and Spaceport](#), brought together CSF members from across the globe to engage in collaborative discussions about organizational direction, policy issues, and industry development.

**The CSF Board of Directors Elected Frank DiBello as Chairman.** DiBello, President and CEO of Space Florida, succeeds Stu Witt, CEO of Mojave Air and Space Port, as [the new CSF Chairman](#).

**The CSF Board of Directors Elected Two New Officers to the Executive Committee.** Mike Gold of Bigelow Aerospace and Sean Mahoney of Masten Space Systems were [elected to the Executive Committee](#).

**Tommy Sanford Named Director of the Commercial Spaceflight Federation.** CSF is pleased to announce that [Tommy Sanford has joined the staff](#) as Director, effective October 1st.

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## RECENT REM AFFILIATE NEWS

**September 15 - [MSU Denver's](#)** proposed Aerospace and Engineering Sciences building [received \\$5.2 million in state funding](#).

**September 21 - [Two experiments](#)** with ties to the [University of Central Florida \(UCF\)](#) were delivered to the ISS on SpaceX's Dragon spacecraft as part of NASA's Flight Opportunities Program.

If your organization is in the news, let us know by emailing us at:

[news@commercialspaceflight.org](mailto:news@commercialspaceflight.org).

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## RECENT CSF MEMBER NEWS

**July 31** - NASA chose [Arizona State University](#) to [design and operate the camera system](#) for the Mars 2020 mission.

**August 1** - [Sierra Nevada Corporation](#) and Lockheed Martin [unveiled](#) the Dream Chaser orbital spacecraft composite airframe.

**August 4** - [SpaceX](#) and the state of Texas announced that the company will [build a new spaceport](#) near Brownsville.

**August 5** - [MDA Corporation's](#) Space Systems/Loral was selected to [provide a communications satellite](#) to Intelsat as part of the Intelsat 36 program.

**August 5** - [SpaceX](#)'s Falcon 9 rocket successfully [launched the AsiaSat 8](#) commercial telecommunications satellite into geostationary transfer orbit.

**August 5** - [Jacobs](#) received a [Phase 1 contract](#) for the conceptual design of an asteroid capture system for NASA's Asteroid Redirect Mission (ARM).

**August 15** - [XCOR](#) and [Midland Development Corporation](#) held a [wall breaking ceremony](#) signifying the kickoff of new renovations to the XCOR facility at Midland Airport.

**August 20** - Swedish space company Space Travel Alliance, operating out of [Spaceport Sweden](#), [announced a partnership](#) with the Space Angels Network.

**September 3** - [Space Florida](#) and the NASA Florida Space Grant Consortium (FSGC) [announced the 2014-2015 winners](#) of the Florida Space Research Program (FSRP).

**September 8** - [Sierra Nevada Corporation](#) [received the U.S. National Aeronautical Association's \(NAA\) Robert J. Collier Trophy](#) for its contributions to the U.S. Navy's Unmanned Combat Air System-Demonstrator (UCAS-D) program.

**September 8** - NASA selected [Paragon Space Development Corporation](#), [Masten Space Systems](#), Up Aerospace, and [Virgin Galactic](#) to [provide commercial suborbital flight](#)



[services](#).

**September 9** - [Dr. Dante Lauretta](#), principal investigator of NASA's OSIRIS-REx, joined [Planetary Resources](#) as a science advisor.

**September 16** - NASA selected Boeing and [SpaceX](#) as the Commercial Crew Transportation Capability (CCTCap) [contract award winners](#). The companies were awarded \$6.8 billion in total to complete development, certify, and launch their respective vehicles.

**September 17** - The FAA issued a spaceport license to [Midland International Airport](#), making it the first primarily commercial service airport [to receive a spaceport license](#).

**September 17** - [Blue Origin](#) announced a partnership with the United Launch Alliance to jointly fund the development of the [new BE-4 liquid rocket engine](#).

**September 17** - [Space Florida](#) and Israel's Chief Scientist [announced the first-round winners](#) of R&D funding tied to the Space Florida-Israel Innovation Partnership Program.

**September 18** - [Waypoint2Space](#) launched a [crowdfunding campaign](#) for their Modular EVA Training System (METS).

**September 18** - [ASRC Federal](#) InuTeq received the NASA [Armstrong Research Facilities and Engineering Support Services contract](#).

**September 18** - [MDA Corporation's](#) UK subsidiary [received a contract](#) to build a satellite communications subsystem for ESA's Columbus module on ISS.

**September 21** - NASA's MAVEN mission, led by the [University of Colorado Boulder](#), [achieved Martian orbit](#) after a 10-month journey.

**September 22** - [SpaceX](#) held an [official groundbreaking ceremony](#) for its new launch site near Brownsville, TX.

**September 26** - NASA [released a request for proposals](#) for a second round of cargo resupply contracts to the International Space Station.

**October 4** - The commercial space industry celebrated the 10th anniversary of [Scaled Composites'](#) SpaceShipOne [winning the Ansari X PRIZE](#) with festivities hosted at [Mojave Air and Space Port](#).

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**RECENT LAUNCHES**

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**September 3/4:** A Chinese Long March 2D rocket launched the Chuangxin 1-04 data relay satellite and a co-passenger designed to conduct multimedia technological experiments.

**September 7:** A SpaceX Falcon 9 rocket launched the AsiaSat 6 communications satellite.

**September 7/8:** A Chinese Long March 4B rocket launched the Yaogan 21 remote sensing satellite.

**September 11:** Arianespace used an Ariane 5 ECA rocket, designated VA218, to launch the Measat 3b and Optus 10 satellites.

**September 16/17:** A United Launch Alliance Atlas 5 rocket, designated AV-049, launched the CLIO mission on a commercial flight for a U.S. government customer.

**September 21:** A SpaceX Falcon 9 rocket launched the sixth Dragon spacecraft on the fourth operational cargo delivery mission to the International Space Station.

**September 25:** A Russian government Soyuz rocket launched a manned Soyuz spacecraft to the International Space Station with members of the next Expedition crew.

**September 27:** A Russian government Proton rocket with a Breeze M upper stage deployed a secretive payload.

**September 28:** A Chinese Long March 2C rocket launched with the experimental Shijian 11-07 satellite.

**October 7:** A Japanese H-2A rocket launched the Himawari 8 weather satellite for the Japan Meteorological Agency.

**October 15:** India's Polar Satellite Launch Vehicle (PSLV), flying on the PSLV-C26 mission, launched the IRNSS 1C navigation satellite.

**October 16:** Arianespace used their Ariane 5 ECA rocket, designated VA220, to launch the Intelsat DirecTV Latin America 1 and Arsat 1 satellites.

**October 21:** A Russian government Proton rocket with a Breeze M upper stage deployed the Express AM6 satellite.

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**UPCOMING LAUNCHES**



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**October 27:** The Orbital Sciences Antares rocket will launch the fourth Cygnus cargo freighter on the third operational cargo delivery flight to the International Space Station.

**October 29:** A Russian government Soyuz rocket will launch the 57th Progress cargo delivery ship to the International Space Station.

**October 29:** A United Launch Alliance Atlas 5 rocket will launch the Air Force's eighth Block 2F navigation satellite for the Global Positioning System.

**November 18:** A European Vega rocket, designated VV04, will launch with the European Space Agency's Intermediate Experimental Vehicle, or IXV.

**November 23:** A Russian government Soyuz rocket will launch a Glonass K navigation satellite.

**November 23:** A Russian government Soyuz rocket will launch the manned Soyuz spacecraft to the International Space Station with members of the next Expedition crew.

**November 28:** An International Launch Services Proton rocket with a Breeze M upper stage will deploy the ASTRA 2G communications satellite for SES of Luxembourg.

**November 29/30:** A Japanese H-2A rocket will launch the Hayabusa 2 asteroid sample return mission.

**November 30:** An ISC Kosmotras Dnepr rocket will launch the ASNARO 1 Earth observation satellite for Japan's Institute for Unmanned Space Experiment Free Flyer.

Consult the [Spaceflight Now Launch Tracker](#) for regular launch updates.

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## Smiroldo Communications

Please send any company news to [news@commercialspaceflight.org](mailto:news@commercialspaceflight.org).

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