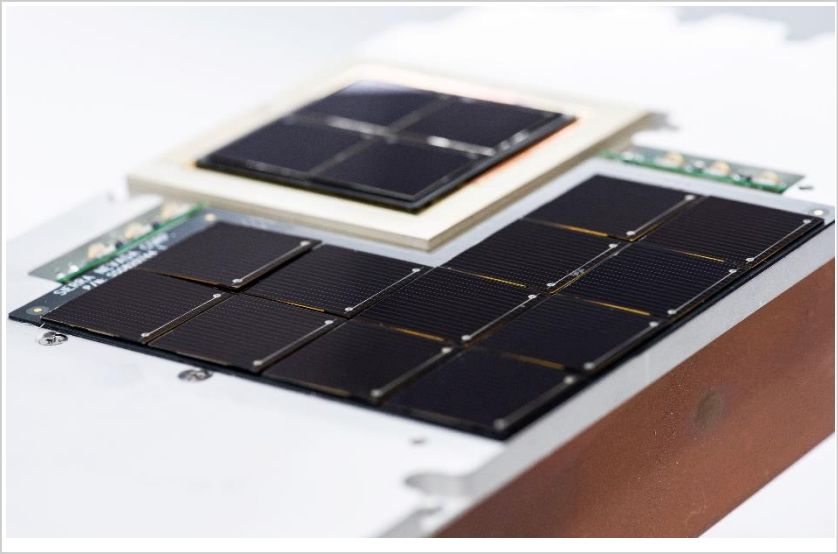
AEROSPACE

ORBITER NEWS

News, announcements, and more.

Blinker Payload Advances Space Traffic Management Capabilities

May 30, 2023



Whether satellites are for space science, Earth observation or telecommunications, space-based infrastructure is constantly growing more sophisticated and capable of handling and communicating ever larger amounts of data. While increased access to space provides many benefits, proliferation can create its own challenges. The combined threat of space debris, space weather hazards, and accidental and malicious interference requires an aggressive approach to space situational awareness to secure our space infrastructure, and Blinker is designed to address that need.

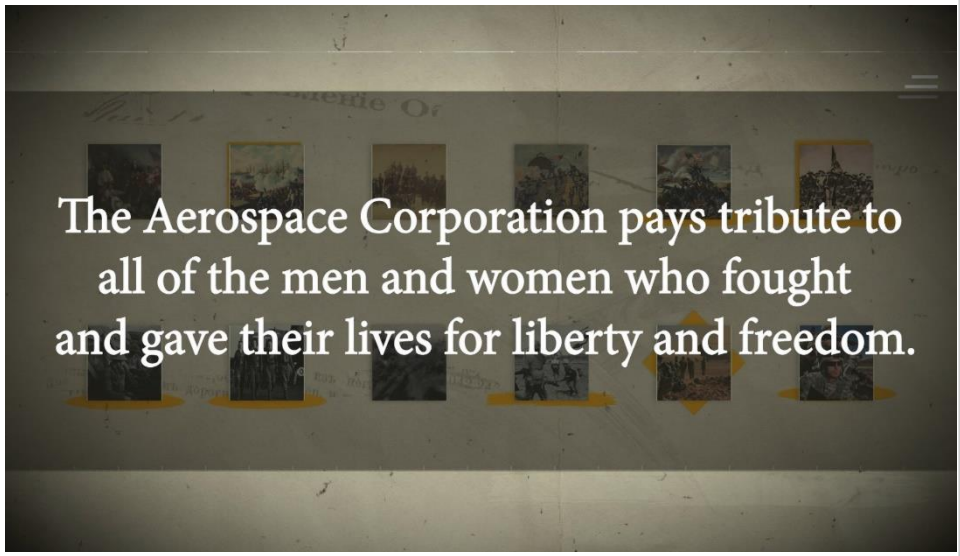
Designed and built by The Aerospace Corporation, Blinker is a small, self-contained, low-cost transponder used for space traffic management. It is also remarkably self-sufficient: It is self-powered, uses on-board batteries to store energy collected from its solar panels, and requires no active connection with the main satellite bus. This autonomy allows the transponder to continue broadcasting GPS data, even after the spacecraft is decommissioned or experiences a critical systems failure. When proliferated to all space objects, Blinker can provide near real-time space situational awareness.

“Currently things in the sky are tracked by the space surveillance network, which uses radar and optical tracking of things and then compares their characteristics to entries in a database of similar items,” said Andrew Goodyear, Principal Investigator for Blinker. “However, using this method can create location errors on the order of hundreds of meters or even kilometers. With on-board GPS you can narrow that down to 30 meters or less, so it improves knowledge of where we are in space by an order of magnitude.”

Read the full article on Aerospace.org.

Memorial Day: Aerospace Honors Those Who Served

May 25, 2023



As Memorial Day approaches, it is important to understand the true significance of this holiday. It is an opportunity to remember and honor all those in the Armed Services who made the greatest sacrifice while defending our nation and its values. This year, Memorial Day will be commemorated on Monday, May 29, and a National Moment of Remembrance at 3 p.m. local time. May is also Military Appreciation Month.

At Aerospace, these observances take on a special meaning as every day we work side-by-side with our government partners to advance the security of our country and its people. During this holiday weekend and throughout the year, please remember those gone too soon and honor their memories as we enjoy the freedoms they served to protect.

A-Team at Torrance Armed Forces Day 5K

May 25, 2023

On May 20, Aerospace was well- represented at the Armed Forces Day 5K for Freedom, which is hosted annually by the City of Torrance. The event was part of a three-day celebration for Armed Forces Day, which is observed annually on the third Saturday of May and part of Military Appreciation Month.

The Aerospace team (A-Team) was on location running and walking alongside the community to celebrate all those who have served and are serving in our nation's armed forces.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Press Release: David Sandy Named Managing Director of Aerospace UK

May 19, 2023

EL SEGUNDO, Calif., May 11, 2023 – The Aerospace Corporation (Aerospace) announced today the appointment of David Sandy as managing director of its wholly owned, UK based subsidiary, The Aerospace Corporation UK Ltd (Aerospace UK).

Sandy previously served as chief of staff for the UK Ministry of Defence (MoD) Space Directorate, where he was responsible for developing space policy and strategy, resource allocation and capability development. He will lead Aerospace UK's work with the MoD and the UK Space Agency to support decision-making and to deliver value within the fast-paced and complex space environment. Aerospace UK draws on Aerospace's more than 60 years of experience as a trusted partner to the U.S. space enterprise and as an adviser for governments of space-faring nations within the global space economy.

"I am honoured to be part of the Aerospace UK team and delighted to continue the work I began at the MoD Space Directorate to develop joint U.S.-UK approaches to problem-solving in space. With the war in Ukraine and its global impact, we need, more than ever, to work together to assure secure access to a domain that is critical to our everyday lives," said Sandy.

Aerospace announces the appointment of David Sandy, former chief of staff for the UK Ministry of Defence Space Directorate, as managing director of The Aerospace Corporation UK Ltd.

As MoD Chief of Staff, Sandy was instrumental in developing the new international UK-U.S. strategy for collaboration between the U.S. Space Force, U.S. Space Systems Command and UK stakeholders. Prior to his MoD role, he had a 34-year career in the Royal Navy, during which he held senior posts in NATO and led MoD crisis-planning teams in both COVID response and security aspects of EU transition.

"When we launched Aerospace UK in 2021, a stated goal was to develop and deploy local expertise as we extended Aerospace's decades of experience to our customers in the UK, a crucial U.S. ally," said Jim Myers, Aerospace senior vice president for the Civil Systems Group. "Tapping David Sandy to guide the next phase of Aerospace UK operations is a natural progression toward that objective and toward helping the UK shape its future in space."

About The Aerospace Corporation UK Ltd

The Aerospace Corporation UK Ltd is the wholly owned UK based subsidiary of The Aerospace Corporation registered in Salford. It was established to support UK efforts in a variety of space areas, including launch,

space situational awareness, systems acquisition, and programme management. Aerospace also supports a number of different government organisations in the UK space economy. For more information, visit www.aerospace.org/uk.

AAPI Heritage Month: Leading the Celebration

May 11, 2023

Throughout the month of May, Aerospace Asian Pacific American Association (AAPAA) is celebrating the people, cultures, history and achievements of the Asian American and Pacific Islander (AAPI) community throughout AAPI Heritage Month. This year, AAPAA is hosting a variety of events both online and in-person, creating multiple opportunities for people to celebrate the AAPI community and the many contributions they made throughout the industry and across the nation.

In 1979, Asian/Pacific American Heritage Week was first celebrated after President Jimmy Carter signed a joint resolution that was passed by the House and Senate. Since then, celebrations and recognition of the AAPI community has grown and in 1990, the week expanded to a month of observance. The month, which seeks to recognize and celebrate the contributions of the AAPI community was chosen in honor of May 7, 1843, when the first Japanese immigrants arrived to the United States, and May 10, 1869, when the transcontinental railroad was completed, after being built primarily by Chinese immigrants.

“AAPI Heritage month will always be a time for me to reflect on my identity & continue learning about the history and cultural differences that make us unique,” said AAPAA National President, Stacy Shimizu. “It’s also a time when I remember and think about my grandparents who were sent to internment camps. It is that kind of adversity that resulted in the Asian community coming together, and APPI Heritage Month reminds us all to think about the people in our community who came before us and how they impact who we are today.”

Celebrating Community

In early May, AAPAA kicked off the month by holding an L4 Leadership Panel supporting their 2023

AAPI Heritage Month theme of “Advancing Leaders Through Opportunities.” During the panel, Aerospace’s Linton Honda, Anne Le, Simi Miyamoto and Justin Yoshida shared their career journeys and participated in a Q&A, giving advice to audience members on how to prepare for leadership roles.

“No one that I know of is ever 100% ready for any job,” said moderator Tammy Choy, Vice President and Chief Information Officer of Aerospace and Executive Sponsor of AAPAA. “So, the key thing here is don’t tell yourself, ‘It can’t be me’. Ask yourself, ‘Why not me’ and go after it. Because the skills you have, you’ve already shown that you can grow and learn, and grow into anything that’s missing. So, please get yourself ready, but don’t hold yourself back and say, ‘I’m not ready for that job’. You need to put yourself out there as these four leaders did and look at where they are now.”

On May 18, AAPAA will be hosting luncheons at locations across the country, including El Segundo, Chantilly and Colorado Springs, giving employees the opportunity to gather and celebrate the AAPI community together. On May 24 from 10 – 11:30 am PST, AAPAA has invited leadership expert and coach Dr. Sohee Jun as a guest speaker to discuss “How to Cultivate Lasting Confidence”.

Events like AAPAA’s January 2023 Dim Sum luncheons are a great opportunity for employees to get together in community and celebrate.

Giving Back

AAPI Heritage Month is not only a celebration, but a reminder that this community is an important and integral part of America’s past, present and future. Given the recent increase of threats and violence aimed at the AAPI community, AAPAA is partnering with Aerospace Cares by hosting a giving campaign to support a variety of organizations that are working towards creating a better future through their dedication to the AAPI community.

Honoring a Legacy

The Dr. Alexander C. Liang Asian Pacific American Awards are approaching on August 10 and AAPAA is looking for nominations for this year’s awards. This award honors the memory of Dr. Liang who was an exceptional leader, manager and engineer at Aerospace, by recognizing Asian American employees who have made significant individual achievements and contributions to the corporate mission and community. The nomination period ends Friday, June 2 and those interested in nominating an employee can learn more here.

The 2022 Dr. Alexander C. Liang Achievement Awards recognized Kien Le (center left), Dr. Joanna Cardema (center right) and Dr. Curtis Iwata (not pictured).

The Aerospace Asian Pacific American Association (AAPAA) is an Aerospace Employee Resource Group (ERG). Membership and participation in all ERGs are open to all employees, regardless of identity. If you’d like to learn more and find opportunities to get involved, please visit the ERG Website.

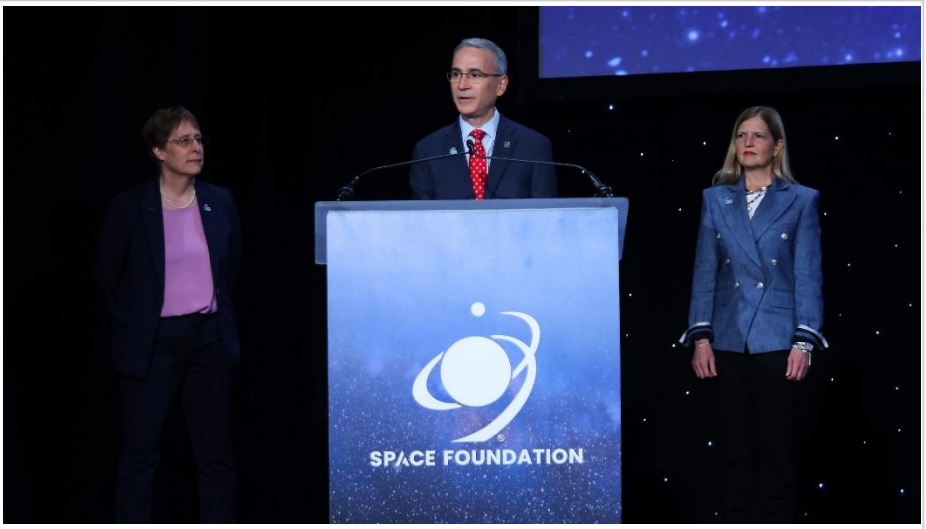
Aerospace Was Everything, Everywhere, All at Once During Space Symposium 38

May 10, 2023

This year at Space Symposium 38, Aerospace was seemingly engaged with everything, everywhere during the industry's premier conference.

The annual four-day event, which was held on April 17-20 in Colorado Springs, Colo., brings together leaders across the entire space ecosystem to convene on the wide range of critical topics for the future.

Aerospace was well represented with leaders and experts shaping and contributing to key enterprise-wide initiatives, including Space Workforce 2030 (SWF2030), the launch of the COnsortium for Space Mobility and ISAM Capabilities (COSMIC), Space Traffic Management (STM) and Commercial Space Futures (CSF). The scope and scale of these efforts speak to just how substantially and rapidly the space domain is evolving.



Aerospace President and CEO Steve Isakowitz is joined by Stellar Solutions CEO Janet Grondin and Debra Faktor of AIRBUS U.S. Space & Defense, Inc. to provide an update on Space Workforce 2030.

During his keynote, Chief of Space Operations of the U.S. Space Force Gen. B. Chance Saltzman emphasized the need for a collective sense of urgency and ingenuity to address emerging threats and solve new problems.

"We are now at the precipice of a new era in space. This new era comes with new challenges and new opportunities, and mandates that we adopt new methods and mindsets to address them. The Space Force, our industry partners, our allies, and inter-agency teammates must collectively pivot to new ways of doing business to keep up with the new operating environment," said Saltzman. "The real work is to go about these activities in a fundamentally different way, acknowledging that new problems require new answers derived from new thinking… old ways of doing business will come up short."

Chief of Space Operations of the U.S. Space Force Gen. B. Chance Saltzman highlights the space domain's rapid transformation during his keynote speech.

Progress on Space Workforce 2030

Launched at last year's Space Symposium, SWF2030 is a first-of-its-kind industry-wide endeavor to strengthen the diversity and inclusion of the nation's space workforce. Aerospace leveraged multiple opportunities to advance the effort and update the broader community of the consortium's progress, including unveiling SWF2030's first annual report.

Aerospace President and CEO Steve Isakowitz spoke about the progress and work still to be done for SWF2030 during a plenary session, and DEI Principal Director Via Van Liew participated in panels focused on the future of the industry's workforce. The SWF2030 message resonated throughout the week with various speakers and panelists emphasizing the value of this initiative.

"We're an industry based on trying to do the ambitious things that seem to be the impossible," Isakowitz told CNBC's Morgan Brennan. "We know that if we're going to remain at the cutting edge and be a global leader, then we've got to have a more inclusive workforce."

As part of its SWF2030 efforts, Aerospace also helped to organize a Girl Scout Badge in a Day event, hosting more than 120 girls at the Space Foundation headquarters. The event was sponsored by the Northrop Grumman Foundation, and notable attendees included former Vice Chairman of the Joint Chiefs of Staff Gen. John Hyten (Ret.), Aerospace Board member Lt. Gen. Susan Helms (Ret.) and Northrop Grumman Space Systems President Tom Wilson.

Strengthening Government-Commercial Collaboration

Aerospace partnered with TechCrunch for a joint- sponsored panel to explore topics of how the new, faster and more responsive dual-use economy in space is beneficial to startups, investors, primes, and governments. Aerospace's Vice President and Chief Technology Officer Debra Emmons was among the panelists for the discussion and spoke more about efforts, such as CSF, to accelerate government-commercial collaboration to support the mission and growth of the nation's space economy.

"There have been tremendous advances in commercial space and since space is now more contested, there is a need for speed in using new technologies developed in the commercial sector. Space Command, the intelligence community and Space Force need our help," Emmons said to *The Gazette*.

For example, CSF and Aerospace's Economic Market Analysis Center (EMAC) provided critical business intelligence to senior leaders of Space System Command to use at Space Symposium, enabling them to identify and engage with the most promising companies and technologies in the industry. The information includes valuable insights into non- traditional space companies, their capabilities, and how they can support SSC's strategic objectives, which will ultimately lead to more effective and efficient mission outcomes.

Successful Launch of COSMIC

As part of its principal role in guiding the nation's In- Space Servicing, Assembly, and Manufacturing (ISAM) efforts, Aerospace also supported NASA's launch of the Consortium for Space Mobility and ISAM Capabilities (COSMIC) at Space Symposium. Leading up to announcement, Aerospace's Civil Systems

Group, CorpComm and others collaborated on developing multiple creative products to support COSMIC, including video, digital, and graphic assets. Aerospace worked with COSMIC leaders to shape communications, including a joint press release and the launched the COSMIC website.

Logo for the newly launched Consortium for Space Mobility and ISAM Capabilities (CoSMIC).

"Our vision is that we want to make ISAM part of long-term space architectures and mission life cycles," said Greg Richardson, executive director for COSMIC at Aerospace, during the announcement. "We want to make it so that there are routine aspects to this in terms of acquisition, technology development and mission operations."

Space Classified Day and Space Generation Fusion Forum


Aerospace's Via Van Liew, Principal Director for Diversity, Equity and Inclusion, contributed to a number of space workforce panels at Space Symposium.

To kick off the busy week, Aerospace partnered with TechCrunch to host a reception with attendees, which included multiple space CEOs, Aerospace executives, event speakers, Department of Defense customers and NewGen representatives.

Strategic Space Operations General Manager Jean Michael, NSG Vice President Tanya Pemberton and SSG General Manager Roz Lewis served as panelists for Space Classified Day and discussed the need for speed in the space warfighting domain – including key topics that were primed at Aerospace's Space Warfighting 101 media briefing weeks prior. Aerospace and

Van Liew and Michael also participated in the Space Generation Fusion Forum, a three-day high-intensity, fast-paced professional development and networking event focused on the international and US space industry.

Coming Together for Space Traffic Management

In conjunction with the Space Symposium, Aerospace's Center for Space Policy and Strategy (CSPS) hosted a four-hour International SSA/STM Policy Exchange roundtable with a full house of participants, including CSPS expert Mick Gleason and government policy officials. The frank discussions led to the recognition of a need for a federated, global STM system in the future. Participants hope to continue the discussion at the AMOS Conference in September 2023. Julie Kearney, Chief of the Federal Communications Commission's (FCC) new Space Bureau attended the event, which is the first time the FCC has join this annual roundtable.

Overall, Space Symposium 38 was a resounding success for Aerospace, resulting in significant media coverage, executive support for high-profile customer meetings, and forward progress on key enterprise-wide initiatives. Leading up to the event and throughout the week, Aerospace facilitated connections and provided deep expertise across a broad range of areas, demonstrating its unparalleled value as the nation's trusted partner for space.

Take Your Kids to Work Day: Kids Back on Campus

May 08, 2023

For the first time in three years, Take Your Kids to Work Day (TYKTWD) at Aerospace made its long-awaited return to an in-person format, allowing hundreds of kids across the country to visit one of the corporation's nationwide locations to get inspired by learning more about space. Employees had the chance to bring their kids and grandkids to the office to engage with hands-on STEM activities and enjoy expert-led lessons about space science and engineering.

Established in 1993 as The Take Our Daughters and Sons to Work program, TYKTWD is a national day that has since helped more than 40 million kids and young adults to participate by visiting more than 4 million workplaces around the world.

By teaching kids about the important work their parents and grandparents do, children feel more connected and often feel inspired, dreaming big for their own futures.

Aerospace hosted Take Your Kids to Work Day at its campuses around the country this year, providing kids the opportunity to learn more about the incredible work our people do.

At Aerospace, nearly 350 kids signed up to participate virtually and in-person for this year's TYKTWD, which was hosted by the Corporate Social Responsibility (CSR) team. Events took place in Chantilly, Crystal City and El Segundo and for the first time in Albuquerque and Colorado Springs.

"I think Take Your Kids to Work Day is important to have at Aerospace," said Lauren Grandara, Outreach Coordinator on the Corporate Social Responsibility team. "It's fun but we also get to show our kids what the work we do here, let them meet and learn from our technical experts, and allows kids to explore what they might want to do in the future."

Having Fun at Aerospace

Kids had the chance to learn about the different types of spacecraft during their visit to the Albuquerque campus.

Across the country, kids were greeted online and in-person by Aerospace President and CEO Steve Isakowitz, who welcomed everyone and participated in a Q&A session where kids got the opportunity to learn more about some of the exciting projects at Aerospace.

Throughout the day, the kids spent time on guided tours exploring Aerospace facilities, learning about the wonders of space, what their parents and grandparents do at work, and participating in a variety of hands-on activities.

"It was exciting to see the kids at the start of the day not knowing what their parents did and leave the day with a better understanding of the exciting work their parents do," said Hope Turney, Administrative Specialist in the Advanced Development and Planning Division, who led the Albuquerque event. "All the parent who brought kids stayed and worked throughout the day, so there was a lot of conversation sparked between the parents and the children about their particular jobs."

In Colorado Springs, after building their own Alka-Seltzer rockets, the kids watched as their creations soared into the air, running to catch them before they came crashing to the ground. In El Segundo, kids learned about sublimation, watching the steam rise up before getting to taste ice cream freshly made with liquid nitrogen.

TYKTWD provided many opportunities for hands-on learning, such as learning how to build Alka-Seltzer rockets in Colorado Springs.

"I think particularly Aerospace, with a lot of folks working classified jobs, they really don't have the resources or the ability to tell their kids what they do," said Britany Washburn, Section Manager of the Mission Analysis and Operations Department, who led the Colorado Springs event. "So, I think

having TYKTWD is a really cool opportunity to showcase—what we can—about what we do at Aerospace to at least give them a sense for what their parents or people like their parents are doing. We got some of that feedback and it was good to hear."

In Albuquerque, volunteers gave electronics and robotics demonstrations before teaching the kids about GPS and trilateration.

TYKTWD events, like this one in Chantilly, would not be possible without the help of Aerospace employees volunteering to educate kids on the exciting possibilities of space.

Students were given "passports" for the day in Crystal City, getting an autograph from Aerospace volunteer instructors throughout the day as they learned about lunar landing modules, satellite traffic, the future of space and different pathways to a STEM career before being presented with a customized wooden Aerospace badge to take home.

"We did have a couple of parents tell us they hadn't signed up their kids because they thought they would just have their kids in their office being bored for half of the day," said Loretta Hart, Executive Assistant for the Defense Systems Group, who led the Crystal City event. "Then after hearing from other parents who had kids at the event, they have changed their minds and are thinking of signing their kids up for next year."

Inspiring the Next Generation

Events like TYKTWD provide a great opportunity for Aerospace employees to connect with and inspire young minds. Whether it's teaching kids about the impact of craters on the Moon, hosting a scavenger hunt, or sharing about the wide variety of career paths at Aerospace, TYKTWD continues to be a fun way to light a spark in the hearts and minds of the next generation, reminding them to dream big and reach for the stars.

TYKTWD was a collaborative effort across Aerospace, resulting in a day full of smiles and fun experiences.

"It was an awesome event all around, and my daughter loved it," said Kelley Litzner, Systems Director of Federal and Commercial Programs, whose daughter attended in Crystal City. "We're excited to do it again next year!"

The CSR team appreciates everyone who supported this year's events and is looking forward to seeing all the kids and grandkids at next year's event, which will take place on April 25, 2024.


AEROSPACE

Aerospace's Experts Weigh in on the Best and Worst Space Sci-Fi Plot Devices

May 04, 2023

Happy May the Fourth! At Aerospace, are celebrating all things sci-fi and hold no official stance on Star Wars vs. Star Trek, etc. We are awed by the creativity that has sparked imaginations and inspired generations to explore our universe.

On Aerospace's Medium channel, we reached out to the most knowledgeable people we know — our own engineers and scientists — to ask what we can believe from our favorite movies and TV shows about space. The responses were impressive! Below is a sampling of the many, many examples our colleagues shared. For the full article, be sure to read the ***post on Medium***.

The Good: Science Fiction that's now Science Reality

There are so many advancements inspired by epic space adventures. It's exciting to see how many of these once-fictional devices are now part of our lives. From artificial intelligence to advanced propulsion systems, space technology has made remarkable strides in recent years.

Pulling Water from the Air

"The 'moisture vaporators' of the Lars Homestead's moisture farm on Tattooine have sprung into existence on Earth where some companies are selling office water coolers replenished by condensing water vapor from the air." **— Brian H., Technical Staff**

Moisture vaporators on Tatooine (Star Wars) Credit: Flickr

The Tricorder and Sickbay

"The 'tricorder' handheld scanner is also a reality, at least for certain phenomena. I can wave around a portable sniffer for hazardous chemicals and radiation, read temperatures and heartbeats from arm's length, hunt for buried metal, or zero in on faint radio signals…not all with the same box of course, at least not yet!" **— Jim, Project Engineer**

"Sickbay-inspired medical devices. Today you can buy many products that help determine your vital signs and other health clues simply by touching your body. The next step could be medical scanners that can be simply waived over your body to read your vital signs, determine any illness, and create a cure in real-time that can be injected within minutes of the diagnosis." **— Leslie B., Principal Director**

Our Everyday Devices

"Lt. Uhura's wireless communications earpiece essentially the same thing as wireless earbuds we see today." **— Randy S., Principal Director**

"In 2001: A Space Odyssey, so much tech has become reality. The Newspad is the modern tablet and HAL is pretty much running most home automation systems." **— Tracy A., Technical Staff**

A multifunctional hand-held device that can perform environmental scans, data recording.

The Bad: No, just no.

Not all technologies depicted in space movies work in real life. While we've seen some incredible depictions of space travel and exploration, the reality of space is quite different. Our experts have some thoughts about what just won't work.

Faster than Light Speed?

"Faster-than-light communication. If it worked would unravel the universe as thermodynamics would be able to run backward." **— Alex Z., Senior Project Engineer**

Faster than conventional speed but slower than preposterous speed. (Spaceballs)

Stealing the Space Shuttle?

"Moonraker (1979), the James Bond movie where he flies into space starring Roger Moore opens with a couple of goons stowing away on a Space Shuttle while it's being carried across the Atlantic Ocean. They flip a few switches, light up the engines, and fly it off the back of the carrier aircraft to steal it. One small problem: the Shuttle didn't carry any fuel for its main engines! That was all stored in the big orange External Tank, which was always transported separately by barge—and it's always empty until it gets to the launchpad!" **— Jim C., Project Engineer**

Asteroids

"One that really annoys me is the super-crowded asteroid field or space debris field. NO, just no. Asteroids don't float about in these enormous clusters that you have to dodge around. Space debris from a battle would just keep spreading out, so you wouldn't see clusters of wrecks floating near one another. In general, fiction never seems to realize how vast and empty space is. Probably because it would look pretty boring on the screen." **— Ted M., Consultant**

In the movie Armageddon, two shuttles fly through a debris field on their way to destroy an asteroid the size of Texas. (Armageddon)

"The entire Armageddon movie. Fun movie — totally not anchored in science or astrodynamics." **— Angie B., Tech Fellow**

Read more on Aerospace's Medium to learn about the most unrealistic parts of space movies and let us know your favorite realistic examples or biggest pet peeves in the comments below!

May 2023 Obituaries

May 01, 2023

Sincere sympathy is extended to the families of:

- William Bowen, office of technical support, hired April 18, 2011, died March 28, 2023
- Leslie DeLong, member of technical staff, hired April 6, 1987, retired May 1, 2011, died March 2, 2023
- William Ellis, member of technical staff, hired July 2, 1962, retired June 1, 1985, died Jan. 15, 2023
- Warren Hatamoto, member of technical staff, hired July 2, 1962, retired Oct. 1, 1993, died March 16, 2023
- Jack Holmes, member of technical staff, hired Feb. 25, 1991, retired Aug. 1, 2011, died April 5, 2023
- Lloyd Morrow, office of technical support, hired Aug. 29, 1988, retired Aug. 1, 2014, died Feb. 9, 2023
- Mary Naten, office of technical support, hired Sept. 5, 1977, retired Feb. 1, 1994, died March 25, 2023
- Dennis Plunkett, member of technical staff, hired April 14, 1969, retired Feb. 1, 2012, died March 31, 2023
- Ted Podgorski, member of administrative staff, hired Nov. 10, 1980, retired April 1, 2009, died April 12, 2023
- Fredric Ronkowski, member of technical staff, hired July 30, 1979, retired Oct. 1, 2004, died March 8, 2023
- Paul Shadle, member of technical staff, hired Oct. 5, 1961, retired July 1, 1985, died April 1, 2023
- Floyd Sichi, member of technical staff, hired April 24, 1967, retired Nov. 1, 1991, died March 5, 2023
- Stephan Speiker, office of technical support, hired June 24, 1985, died March 3, 2023
- G Tolbert Jr, member of technical staff, hired Nov. 23, 1970, retired Dec. 1, 1993, died April 6, 2023
- Cleon Winslow, member of technical staff, hired Jan. 7, 1963, retired Jan. 1, 1987, died March 30, 2023
- Walter Wong, office of technical support, hired May 27, 1969, retired Oct. 1, 1993, died Feb. 4, 2023
- Wanda Woodruff, office of technical support, hired Aug. 23, 1960, retired Oct. 1, 1993, died March 3, 2023

To notify Aerospace of a death and have it included in the Orbiter, please contact People Operations at (310) 336-5107.

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