

2017

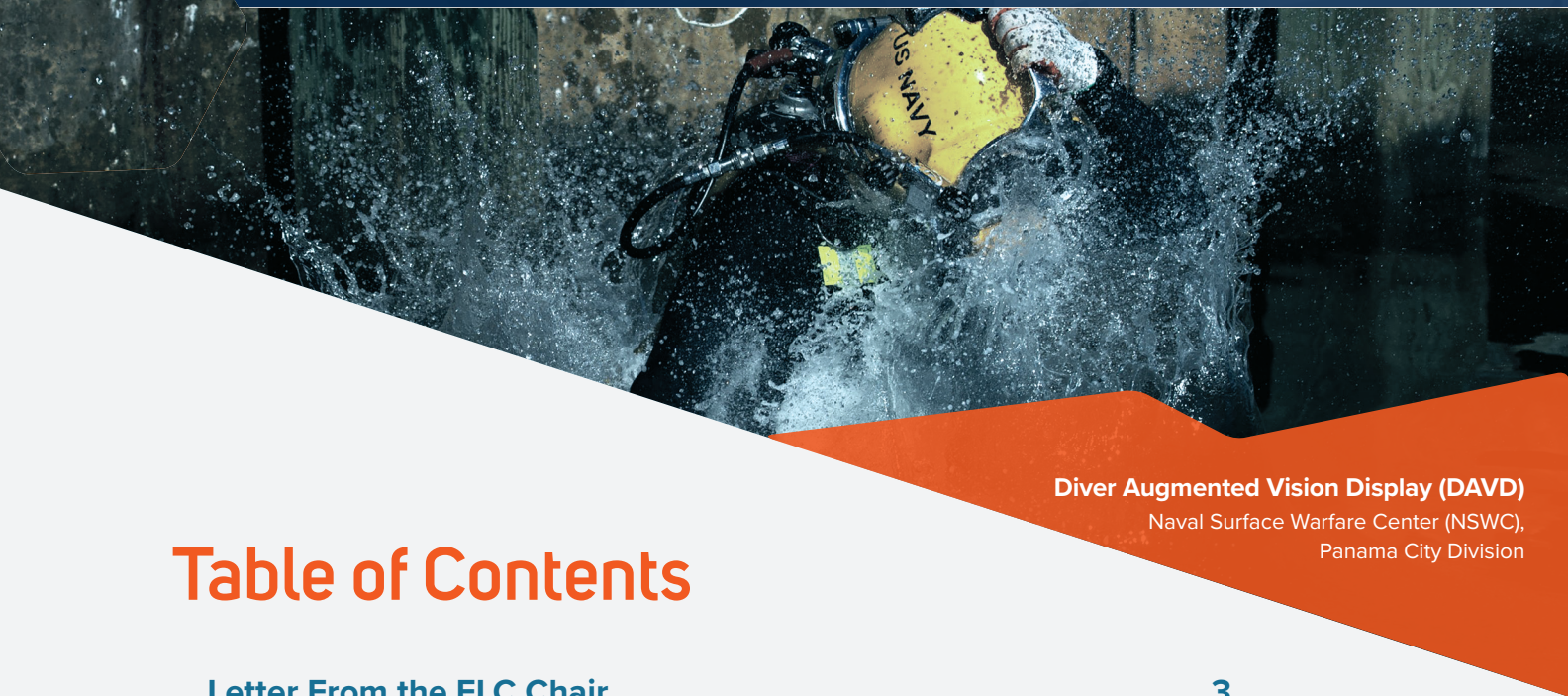
ANNUAL REPORT

*to the President
and Congress*

*Promoting,
Educating
and Facilitating
Technology Transfer*



Federal Laboratory Consortium
for Technology Transfer



Diver Augmented Vision Display (DAVD)
Naval Surface Warfare Center (NSWC),
Panama City Division

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With the transition of one presidential administration to another, 2017 marked a year of great change for our nation. While the shifts in government and policy of the incoming administration were yet to be determined, the goal of accelerating American innovation remained steadfast among federal agencies and laboratories. Throughout 2017, the FLC

continued to carry out its three mission pillars of promoting, educating, and facilitating technology transfer (T2) in support of its agency and laboratory members’ missions.

As you will read in this report, the FLC used fiscal year 2017 (FY17) to build on the milestones achieved in 2016 by strengthening our effectiveness to communicate and deliver quality T2 education, tools, and services to our members and their industry partners. In fact, this annual report is a product of that decisive progress; it was revamped into a condensed version that focuses on our core mission goals to promote, educate, and facilitate. The report is organized to showcase our activities and performance figures across the board as they relate to the four key goals of the FLC Strategic Plan.

Since its implementation in 2015, the FLC Strategic Plan has represented a path forward for FLC activities and initiatives. The Plan is at the heart of how the FLC functions and how we directly align our organization to support the Cross-Agency Priority (CAP) Goal’s Lab-to-Market Initiative, which has continued to be a major priority under the new president’s Management Agenda. In coming years, the goals of the FLC Strategic Plan will be revitalized to meet new science and technology policy actions, as well as to streamline our committee processes and improve our ability to facilitate innovation.

Throughout 2017, several efforts went into supporting FLC Strategic Plan goals. The FLC’s Technology Focus Initiative introduced a new theme—energy—that was highlighted in an energy webinar series where labs could showcase their research and available technologies to industry. The FLC also launched enhancements to FLC Business 2.0, our comprehensive laboratory resources tool that we continue to improve and scale. In FY17, our education and training program added additional courses to our T2 curriculum, ensuring that the breadth of courses continues to grow and meet the evolving minds of our professional members.

2017 also marked a change in FLC leadership with the beginning of my first year as FLC Chair. I plan to expand upon the hard work of my predecessors and improve the initiatives our organization has established to learn how we can better serve our members.

The FLC has a wealth of resources to offer the T2 community and their business partners. Through the dedicated efforts of our members and FLC officers, I have no doubt that we will continue to raise awareness about the significant impact T2 has on our economy, as well as cultivate the partnerships we’ve established for years to come.

In accordance with 15 U.S.C. §3710(e)(6) and on behalf of the members of the FLC, I am pleased to present the FLC 2017 Annual Report to the President and Congress.

Respectfully,

John Dement
FLC Chair

2017 BY THE NUMBERS

The following statistics are a summary of the FLC's activity performance in 2017. Great strides were made in improving our education and training program; enhancing our technology transfer tools; growing the Technology Focus Initiative; and rewarding the member agencies, laboratories, and their partners for innovative work.

Goal 1: Promote

Federallabs.org

79,490 Site Sessions

MOST VISITED SECTIONS:

1. [FLC National Meeting](#)
2. [News](#)
3. [Events](#)
4. [About the Organization](#)
5. [Regions](#)

243 Total Unique Searches

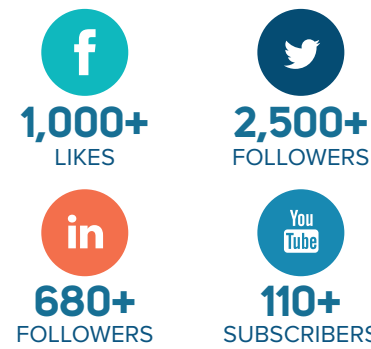
Top Search Terms

1. Water
2. Carbon
3. Machines
4. Medical Device
5. Software

53,889 SITE USERS

166,729 UNIQUE PAGE VIEWS

Social Media



Goal 1: Promote

One of the three main mission pillars of the FLC organization is to promote the economic and societal value of federal laboratory technology transfer (T2).

Every year, the FLC expends a great deal of effort to communicate the significance of federal agencies' lab-to-market activities to our stakeholders. From giving awards to the dedicated public-private sector teams who successfully transfer technologies and create an impact on our economy, to publishing news articles and social media posts that highlight laboratory research and development (R&D), the FLC is eager to promote its members' successes.

In FY17, the FLC worked diligently to produce and disseminate digital and print media that support organization initiatives such as T2 education, training, marketing available

technologies and lab resources, and the benefits of working with a federal laboratory. FY17 served as a year to build on the progress made in FY16 through the launch of the new federallabs.org website and the introduction of the FLC Technology Focus Area (TFA) initiatives.

This section highlights the communication and marketing goals the FLC met in 2017—ushering in a new class of FLC award winners, establishing a new TFA theme and events, and producing high-quality publications—while continuing to engage and grow its internal and external T2 audience.

FLC Business

LAB RESOURCES

- Available Techs - 13,822
- Laboratories - 376
- Facilities - 2,644
- Equipment - 251
- Publications/Reference Materials - 47
- Funding - 119
- Programs - 109

National Meeting Attendees

15 Exhibitors/
Sponsors **372** Attendees **212** Trainees **112** First-Timers



National Awards

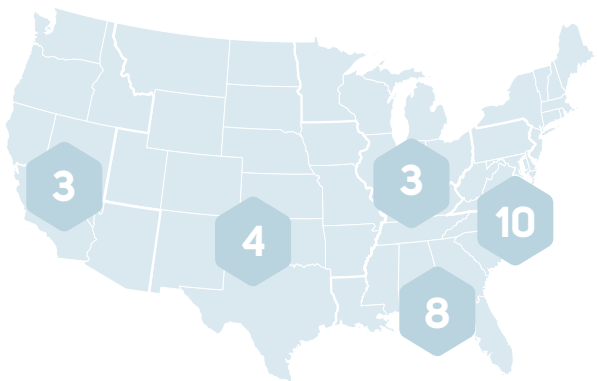
8 Agencies / **94** Nominations



19 Laboratories Represented
27 Winners in 8 Categories

Winners by State:

- California – 1
- Colorado – 2
- D.C. – 1
- Florida – 2
- Georgia – 2
- Indiana – 1
- Iowa – 1
- Maryland – 4
- New Mexico – 1
- Ohio – 1
- Pennsylvania – 1
- Tennessee – 1
- Virginia – 1
- Washington – 1



Winners by Region:

Far West – 3 Mid-Continent – 4 Southeast – 8
Mid-Atlantic – 10 Midwest – 3

2017 FLC Awards

For over three decades, the FLC awards program has honored the best and the brightest in the T2 community. The awards represent useful innovations and cutting-edge technologies that have made an immediate commercial impact and highlight the collaborative efforts of federal scientists and engineers, technology transfer professionals, and their industry partners.

The FLC awards are a distinguished honor in the technology transfer world, and the FLC is proud to use the awards platform as an avenue for promoting the economic and societal benefits of federal laboratory technology. The Awards Committee received over 90 nominations from 8 different agencies in 2017—one of the largest nomination pools in recent years. Selected were 27 winners representing 19 federal laboratories in 8 award categories.

2017 also marked the inauguration of the Technology Focus Award to coincide with the organization's new TFA initiative. The award was presented to the laboratory that most successfully completed the transfer of a featured technology under the year's designated initiative—water. The 2017 TFA theme of "energy" was used for the award during the 2018 awards season.

The Technology Focus Award was bestowed upon the U.S. Department of Agriculture - Agricultural Research Service (USDA-ARS) National Laboratory for Agriculture and the Environment for its "Development and Transfer of the Agricultural Conservation Planning Framework" project, as well as the Environmental Protection Agency's (EPA) National Risk Management Research Laboratory for its innovative NoMonia drinking water treatment technology. The complete list of categories, winners, and their technology transfer success stories was published in the 2017 FLC awards publication, as well as featured in the Awards Gallery on the FLC website.



Success Stories Gallery

234 Success Stories and Growing

2,995 Page Views



EPA's "NoMonia: A Process to Remove Ammonia from Drinking Water" received the Technology Focus Award at the 2017 FLC awards ceremony in San Antonio, TX.
Pictured, top: Sarah Bauer / pictured, l to r: Kathleen Graham, Laura Scalise



FLC Technology Focus Area Initiative

FY16 marked the inauguration of the FLC's latest initiative, the FLC Technology Focus Area (TFA)—an annual spotlight on a specific technology that addresses a public need and supports both Cross-Agency Priority (CAP) lab-to-market goals and federal laboratories' technology transfer missions. In response to the Flint, Michigan, water crisis, the FLC Executive Board selected "water" as the inaugural TFA initiative theme. In 2017, the Board decided to shift the focus to "energy"—an essential driver of the nation's economy and security.

4 ENERGY TOPICS



**PART ONE:
RENEWABLE
ENERGY**
JULY 26, 2017



**PART THREE:
ENERGY
TRANSMISSION**
FEBRUARY 13, 2018



**PART TWO:
FOSSIL FUELS &
NUCLEAR ENERGY**
NOVEMBER 2, 2017



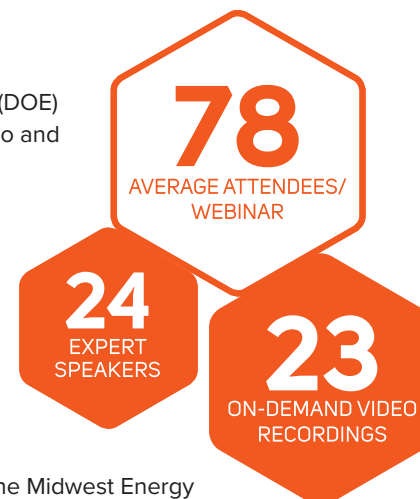
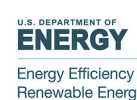
**PART FOUR:
ENERGY
STORAGE**
APRIL 10, 2018

Our federal labs conduct crucial energy R&D and create innovative technologies that keep America's energy system in tune with the world's changing environment while meeting the demands of our nation's energy needs. To highlight the 2017 TFA energy theme, the FLC created a four-part Energy Webinar Series that served as a platform to inform the public of the potential commercial impact of

the Department of Energy's (DOE) available technology portfolio and research.

The FLC Energy Webinar Series took place throughout 2017 into 2018, with each part covering one of four energy topics: renewables, fossil fuels and nuclear energy, transmission, and storage. Hosted in partnership with the Midwest Energy Research Consortium (M-WERC), the series provided streamlined access to DOE scientists and researchers who shared their laboratories' current R&D initiatives, laboratory capabilities and facilities, as well as showcased technologies related to one of the series' four energy topics that were available for licensing.

Parts one and two of the series, renewable energy and fossil fuels and nuclear energy, kicked off the series in 2017 with a formal introduction by Rochelle Blaustein, Acting Director of Technology Transitions, DOE. These two webinars featured expert speakers, energy R&D areas, and available technologies. Speakers ranged from world-class U.S. scientists, to energy industry subject-matter experts representing the organizations below.



FLC Marketing and Communication Tools

The launch of the FLC's redesigned and completely overhauled federallabs.org website in FY16 was a huge success. As the organization strived to remain consistent with the ever-evolving digital landscape, the new website modernized the FLC's means of communicating with its members and industry.

In 2017, the FLC continued to maintain and shape federallabs.org by adding agency and laboratory T2 success stories to the Success Stories Gallery. The FLC also sought stakeholder input through various surveys. These surveys gave members the opportunity to provide their feedback on tools and services that would better equip them during the T2 process. The surveys also sought input on what types of FLC communication members found most effective when receiving updates from the organization. Feedback obtained from these surveys will go into shaping current and future FLC resources.

To ensure that the FLC community was informed about the new tools and resources on federallabs.org, the FLC also used 2017 to redesign its monthly newsletter by creating

the *FLC Digest*. A weekly newsletter sent to the entire FLC community, the *Digest* promotes the latest federal laboratory T2 news, careers, events, and more that are posted on the FLC website. Members are encouraged to submit items to be featured in the weekly *Digest* to share with the community in the hope of spurring T2 activity.

The FLC Communications Committee is always looking for ways to better reach T2 professionals so they can utilize the myriad tools, services, and educational resources the organization offers on federallabs.org and FLCBusiness.org. In 2017 the Committee strategized new methods and tools for enhancing communication among members and began implementing LiveChat software to the FLC and FLC Business websites. LiveChat provides a pop-up chat feature that immediately connects site visitors with FLC support staff to answer any questions they have while exploring the site. LiveChat and an inbound marketing customer relationship management (CRM) platform, HubSpot, were fully implemented to the site in 2018. The FLC has seen significant advancements in communication deliver, response, reach, and engagement as a result.

Publications Designed to Promote T2

In addition to the annual FLC Planner, in 2017 the FLC produced two major publications—*2017 Federal Laboratories and State and Local Governments* and *Memorandum for the President-Elect Transition Team*—that were aimed at raising awareness of the commercialization process and showcasing the collaborative partnership work and successes that take place every day at federal labs.

2017 FLC Planner – Delivered to recipients throughout the FLC community, including members of Congress, scientists, T2 professionals, academia and industry, the *FLC Planner* features a wide range of innovative R&D images from across the federal laboratory system.

2017 Federal Laboratories and State and Local Governments: Partners for Technology Transfer Success – The FLC's State and Local Government (S&LG) Committee strives to develop an awareness among state and local government organizations of the benefits of partnering with federal laboratories and the technology transfer opportunities that can develop from these partnerships. The 2017 S&LG publication highlighted many fine examples of these partnerships, which have proven valuable to local economies, communities, and individuals.

Memorandum for the President-Elect Transition Team: Introduction to the Federal Laboratory Consortium for Technology Transfer (FLC) – To ensure that the incoming President-Elect and his team were up-to-speed on the FLC and its mandated duties, the FLC created a memorandum that introduced the organization, its mission, and the significant impact of federal T2 on our economy and society.



LabTech in Your Life – A Virtual Tech Success Experience

In addition to the ongoing communication initiatives that took place in FY17, an exciting new project took shape, with the end goal of producing a virtual environment that showcases the everyday places and spaces where you find and interact with successfully transferred federal technologies. The FLC wanted to create a space that educated the public on what technology transfer is through a relatable message and environment.



A virtual space where visitors could explore laboratory technologies was decided upon, and an official project charter and subcommittee were established in 2017 to see the project through to its first environment. Officially branded as “LabTech in Your Life,” the first environment of the experience, “LabTech at Home,” was launched in summer 2018.

Goal 2: Educate

Providing top-notch technology transfer (T2) education, training, and resources is at the core of what the FLC provides its member laboratory and industry professionals.

Through a breadth of in-person and online training courses, webinars, white papers and commercialization resources, anyone from a seasoned patent attorney to a young entrepreneur can take advantage of the FLC’s wide-ranging T2 curriculum. With the establishment of the FLC Learning Center on the redesigned federallabs.org in FY16, learning resources are more accessible than ever.

In FY17, the FLC’s Education and Training (E&T) Committee aimed to add more online training courses and webinars to the learning hub, the 2017 FLC national meeting, and regional meetings throughout the year. This section explains, in-depth, the ardent work that our E&T experts perform so T2 professionals can accelerate their R&D and achieve commercialization success for their agencies, labs and partners.

2017 FLC National Meeting

Each year, the FLC hosts a national meeting that is themed to align with current federal science and technology initiatives. Over the years, the national meeting has become a highly anticipated event for T2 professionals from federal laboratories and agencies nationwide to come together, complete training on the latest T2 strategies, listen to commercialization success stories, and discover partnership opportunities with various industry businesses.

2017 Meeting Summary

The FLC 2017 national meeting was held April 25 – 27 at the Omni San Antonio Hotel at the Colonnade in San Antonio, Texas. Given the meeting location, the FLC chose the theme of “Spurring Innovation Through Technology Transfer” as homage to the city’s beloved sports team and



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Giving our national laboratories the resources to bring their innovations into the commercial market is vital in the T2 process. The national meeting is just one way we can provide our labs with commercialization tools, and give them a chance to interact with laboratory professionals in person.”

– Kathleen McDonald,
FLC Program Committee Chair

its steadfast focus on privatization through partnerships with federal labs and the city’s biomedical, healthcare and defense industries.

The three-day meeting featured a full day of training; a day of general sessions, followed by the FLC awards ceremony and reception; and Industry Day (details on Industry Day can be found in Section VI, Facilitate, of this report). Another new feature in 2017 was the T2 Professionals and Intellectual Property (IP) session tracks that provided a more tailored experience for attendees. In addition, several networking breaks were held throughout each day, and the FLC hosted a welcome reception where attendees could “talk shop” about the T2 initiatives their labs are focusing on.

Training Day

Day one focused on commercialization training workshops that furthered attendees’ continuing education credits and sharpened their agreement negotiation skills. 2017 included new additional courses for attendees to choose from, as well as a revised “T2 for Beginners” course. This was the largest number of courses offered at a national meeting and the first time for multiple advanced topics. The E&T Committee has been working to expand the curriculum, and increasing the course offerings directly aligned with that curriculum initiative.

Training courses held at the 2017 national meeting were as follows:

- **Technology Transfer for Beginners**
- **Intellectual Property for Technology Transfer Professionals**
- **Cooperative Research and Development Agreement (CRADA) Workshop**

- **Licensing and Negotiation Workshop**
- **Strategic T2 – Engaging the External Ecosystem**
- **Creating a Culture for Commercialization.**

General Sessions

The second day featured expert speakers and panelists representing the Departments of Defense, Energy, and Agriculture, as well as NASA and the National Institutes of Health. The FLC awards ceremony closed the day by honoring the outstanding technology transfer work and achievements of our federal labs and their partners.



Posters showcasing each award-winning project were on display throughout the meeting.

“

A host of industries can benefit from the research we’re doing in space. Our work at the ISS is used to help solve problems here on Earth, not just in space.”

– Gregory H. Johnson, 2017 FLC
national meeting keynote speaker





The FLC was pleased with the impressive turnout in San Antonio. The organization is confident that the meeting will continue to provide an ideal space for strengthening public-private partnerships and embracing newly discovered technologies that can open new avenues for collaboration and market impact.

The 2018 FLC national meeting (which has since taken place in Philadelphia, Pennsylvania) continued the additional advanced course topics and registered a welcome increase in overall attendees and first-timers.

2017 Regional Meetings

In addition to the national meeting, the FLC’s six regions hosted their own regional and joint regional meetings throughout the year. Each meeting provides a great opportunity for agency and lab professionals to learn and strategize new ways to boost their T2 objectives and market their technologies to industries in their region.

FLC regional meetings are planned by volunteer regional coordinators and their dedicated support staff. Thanks to the efforts put forth by these regional teams, the FLC is better able to administer its educational resources, promote regional-level T2 accomplishments, and facilitate potential partnership opportunities with businesses throughout each region.



Far West
4 award categories
17 winners

Mid-Atlantic
4 award categories
19 winners

Mid-Continent
4 award categories
18 winners

Midwest
3 award categories
5 winners

Southeast
3 award categories
6 winners

REGION: NORTHEAST



NOTABLE TRAINING SESSION:
AMA Building Better Working Relationships Workshop

LOCATION: U.S. Army Corps of Engineers, Engineer Research and Development Center, Cold Regions Research & Engineering Lab, New Hanover, NH

REGION: MID-ATLANTIC



NOTABLE TRAINING SESSION:
Leveraging Federal Research with Industry Needs

LOCATION: Rockville, MD

REGION: SOUTHEAST



NOTABLE TRAINING SESSION:
Innovation Keynote Speaker – Larry Portaro, Director, FirstBuild

LOCATION: Joint meeting with Midwest Region – Cincinnati, OH

REGION: MIDWEST



NOTABLE TRAINING SESSION:
Applying Federal IP in Adjacent Commercial Sectors

LOCATION: Joint meeting with Midwest Region – Cincinnati, OH

REGION: MID-CONTINENT



NOTABLE TRAINING SESSION:
Localizing the Economic Impact of T2

LOCATION: Joint meeting with Far West Region – Pasadena, CA

REGION: FAR WEST



NOTABLE TRAINING SESSION:
How Industry and Federal Labs Differ but Still Form Partnerships

LOCATION: Joint meeting with Far West Region – Pasadena, CA

New T2 Courses and Resources

Throughout 2017, the E&T program continued to focus on creating new online learning opportunities to add to its newly established Learning Center. The following presents an overview of the additional educational offerings for members in 2017.



AMA Training Courses – After successful introduction and feedback from attendees who participated in the Northeast and Mid-Atlantic American Management Association (AMA) training workshops in 2016, the E&T Committee decided to expand its AMA contract and offer the workshops to other regions in 2017. The Committee partnered with four regions to deliver workshops at three events. The 2017 AMA topics were as follows:

- Mid-Atlantic and Northeast Regions’ AMA topic: “Building Better Working Relationships: New Techniques for Results-Oriented Communication”
- Mid-Continent and Far West Regions’ AMA topic: “Fundamentals of Marketing.”

After analyzing the feedback from each course, the E&T Committee is considering a slightly more advanced level for future offerings of these courses.

CRADA Developers Guide – In 2017 the Committee also completed and delivered a new e-course called “The CRADA Developer’s Guide.” The course is designed to help experienced federal T2 practitioners understand the process and considerations for developing and managing a good Cooperative Research and Development Agreement (CRADA). The main goal of the course is to assist T2 professionals in the actual development of the commonly used T2 mechanism.

NIH Startup Challenge Model – This white paper describes how the National Cancer Institute (NCI), in partnership with the Center for Advancing Innovation (CAI), used the Startup Challenge Model to create a challenge that successfully advanced a variety of breast cancer technologies from the discovery stage to commercialization. It also presents some best practices the organizers learned during the process.

Goal 3: Facilitate

Since its inception, the FLC has made supporting national policy its mission.

Through FLC-created tools and services, laboratories can easily leverage their innovations to industry and build better business through technology transfer processes. As mandated by the Federal Technology Transfer Act of 1986, the FLC facilitates technology transfer for its members in the following ways:

- Enables effective outreach to industry and other technology integrators and partners by laboratory Offices of Research and Technology Applications (ORTAs)
- Informs and guides national policy initiatives regarding federal laboratory technology transfer, leveraging the vast experience and expertise resident in laboratory ORTAs.

With the Cross-Agency Priority (CAP) Goal's Lab-to-Market Initiative in full swing by FY17, the FLC worked to advance its tools and services to bolster the administration's lab-to-market objectives. During much of FY16, the FLC's most comprehensive tool, FLC Business, underwent a major

overhaul using agile development methodology. The overhaul included adding available technologies and more laboratory resource data, as well as vastly improving search functionality to create FLC Business version 2.0. In FY17 the FLC continued with FLC Business 2.0 production and launch so an improved version of the platform could be delivered to the technology transfer (T2) community.

In addition to boosting FLC Business 2.0's capabilities, the FLC also created innovative FLC Business marketing resources, such as a video and events for federal agencies and laboratories to utilize for their own technology marketing purposes.

Throughout this section, you'll discover the ongoing enhancements, events, and partnerships that have advanced technology transfer activity and connections between federal labs and industry.

FLC Business 2.0 Launch

While much of the groundwork for an improved FLC Business 2.0 version was laid in 2016, the FLC completed the 2.0 enhancements in 2017. These enhancements were guided by input received from stakeholders and included adding more laboratory data to the system, as well as brainstorming other features that would make the overall tool more comprehensive. The 2.0 launch featured a new format and styling that allowed for better usability. Connote, an automated web-scraper and data extraction tool, was also implemented on the platform to automatically search for new laboratory data and bring it into a structured database for users to search.

The newly upgraded system was demonstrated to FLC Agency and Laboratory Representatives at the FLC national meeting, as well as throughout the year on a one-on-one or group basis. The FLC also hosted a free "Get to Know FLC Business" webinar series that provided an in-depth demonstration of the tool. The hour-long demos offered:

- An overview of FLC Business
- Available technologies listings
- A look inside the searchable data (e.g., labs, technologies, equipment, facilities, programs, etc.)
- Step-by-step breakdown of how to perform and save a successful search.
- Search and functionality features



Attendees ranging from laboratory professionals to FLC partners, industry professionals, and interested entrepreneurs took advantage of the demonstration, which was later offered on-demand.

In addition to the demonstration webinars, the FLC Tech Locator kept busy during the year responding to FLC Business users who requested additional information on available technologies and laboratory facilities, as well as guidance on how to use the new FLC Business 2.0.

FLC Presents: "Accessing Federal Laboratory Resources With FLC Business"

To ensure a better understanding of FLC Business' unique capabilities and the federal T2 process, the FLC created a short video, "Accessing Federal Laboratory Resources With FLC Business," to coincide with the 2.0 launch. The video explains the benefits of working with a federal lab and how easy it can be to leverage federal resources for business advancement.

While some of the most recognizable technologies we use today, like GPS, memory foam, Gardasil® and others, were first developed in a federal laboratory, it was only through T2 agreements and public-private partnerships that these technologies have been able to make such powerful economic and societal impacts. The video details how FLC Business houses thousands of similar T2 possibilities and is accessible to anyone who wishes to take their ideas and federal innovations to market.

The FLC encouraged federal labs to share the video with their partners as well as use it for their own marketing purposes as a creative way to leverage their resources through FLC Business.



2017 Industry Day and Networking

The FLC's annual Industry Day rounded out the three-day 2017 national meeting in San Antonio, Texas. Industry Day provided the chance for laboratory and industry professionals to showcase their technology needs, network with regional and Fortune 500 companies, and form potential public-private partnerships to advance their technologies into the marketplace. Diverse exhibitors from organizations such as BlackDuck software, Allied Minds, PitchBook, CDC, and Wellspring participated.

The following is a recap of the well-received speakers, session topics, and case-study panels that provided insightful strategy and discussions during 2017 Industry Day.

Industry Day Keynote Address, Heather Cox – Heather Cox is Executive Vice President, Chief Technology & Digital Officer of USAA. Cox discussed the intersection of digital, design, data and innovation, and their impact on serving USAA's members and employees.

Spurring Innovation Through Collaboration in the Home of Military Medicine – Ann Stevens, President of BioMed SA,

led off the Industry Day morning session. She described her organization's ongoing initiative to advance, promote, and grow biomedicine and health care as San Antonio's largest economic sector and leading industry.

“

One in every 6 people that make up the San Antonio workforce are from the healthcare and bioscience industry, and research is the fuel that drives those industries. In San Antonio, much of that research takes place at federal and military institutions. The collaborations we've formed with military personnel in San Antonio have created biomedical successes in our community.”

– Ann Stevens, President, BioMed SA,
“Spurring Innovation Through Collaboration in the Home of Military Medicine” national meeting session



Minority Business Enterprise (MBE) Tech Needs Session

– This Minority Business Development Agency (MBDA) panel consisted of small- and medium-sized businesses from across the country who shared some of their top-level technology needs in the interest of identifying potential federal lab partners or collaborators.

Commercialization Trends and Insights Across Academia, Industry, and Federal Labs – This Industry Day session was designed to help attendees think about shifts in the commercialization landscape by presenting data-based trends and insights across segments, inspire new thinking on ways that segments could interact, and engage them in solving the commercialization challenges of tomorrow.

Lab Commercialization Panel – In this session, senior T2 executives from DOE, USDA-ARS, and NIH’s National Cancer Institute shared their perspectives on T2 philosophies, objectives, tools, authorizations, and other aspects that have contributed to their respective organizations’ successes in technology commercialization.

Collaborative Partnerships for Innovation Success

Several exciting partnerships between the FLC and innovation intermediary organizations took place in 2017. From providing a gateway for energy professionals to access federal laboratory data, to supporting events and initiatives that mirror our organization’s mission values, the FLC is eager to collaborate with organizations who want to accelerate technology.



WIPO GREEN and FLC Partnership – In early 2017, the FLC entered into a data-sharing agreement with the World Intellectual Property Organization (WIPO) to further enrich the WIPO GREEN database. Through this agreement, the FLC uploaded hundreds of green technologies from U.S. federal laboratories into the database. This data share is extremely beneficial for WIPO users as it will provide easy access to a more diverse range of technologies. The WIPO GREEN data-sharing agreement represented an exciting venture for the FLC to directly align its mission of promoting federal technologies available for licensing and facilitating the collaboration between labs and interested parties through tools and services such as FLC Business.

The agreement continues to provide eager entrepreneurs and inventors the opportunity to search and find the latest green technologies in one location, with access to the additional information they need to access those techs and eventually introduce them into the marketplace.



FLC and M-WERC Energy Innovation Collaboration – As the new FLC Tech Focus energy theme began to take shape, the FLC found significant support from the Midwest Energy Research Consortium (M-WERC). The two entities worked together in 2017 to bring valuable education and resources to laboratories and energy industry professionals across the country. With both organizations fostering audiences focused on innovation and growth in the energy industry, a collaboration on yearly initiatives presented the natural next step. The partnership continued through 2018 as M-WERC and the FLC worked to co-sponsor four different events, including two that were part of the FLC Energy Webinar Series.



M-WERC is an organization focused on the growth and economic competitiveness of the energy, power, and control sector in the Midwest. The Consortium drives the Midwest Region and the country to be energy-independent with innovative solutions tied to energy-related activities. The partnership between M-WERC and the FLC combines a network of energy industry professionals, academic researchers, and federal laboratories to promote and strengthen innovation resources that both organizations offer to the R&D community.

2017 Financial Statement

Funding for the FLC

By statute (15 USC §3710(e)(6)), the FLC receives its funding as a stated percentage of the intramural research and development budget of each federal agency for the fiscal year. These funds are transferred to the National Institute of Standards and Technology (NIST) at the beginning of each fiscal year and then transferred by NIST to the FLC to conduct its activities.

Below is a summary schedule of FLC revenues and disbursements as reported on the NIST ledgers, as well as a summary of agency contributions in FY17.

Schedule of Revenues and Disbursements

| | 2016 | 2017 |
|-----------------------------|--------------------|--------------------|
| Revenues | \$3,077,878 | \$3,148,000 |
| Disbursements* | | |
| Contract Support | \$1,745,826 | \$1,929,612 |
| NIST Administrative Charges | \$236,985 | \$185,964 |
| Committee/Operations | \$668,892 | \$839,736 |
| Total Disbursements | \$2,651,703 | \$2,955,312 |

* Disbursements are made across fiscal years.

Agency Contributions to the FLC for Fiscal Year 2017

| Agency | Amount Paid |
|---|-------------|
| Department of Agriculture | \$124,336 |
| Department of Commerce | \$97,784 |
| Department of Defense | \$1,274,408 |
| Department of Energy | \$581,000* |
| Department of Health and Human Services | \$599,104 |
| Department of Homeland Security | \$37,848 |
| Department of Interior | \$57,584 |
| Department of Transportation | \$29,112 |
| Department of Veterans Affairs | \$53,872 |
| Environmental Protection Agency | \$20,856 |
| National Aeronautics and Space Administration | \$247,400 |
| National Science Foundation | \$24,696 |
| Total | \$3,148,000 |

* Amount was collected after the date of the financial statements.



2017 FLC Excellence in
Technology Transfer Award
Superhydrophobic Transparent Glass
Thin Film Innovation License to Samsung
Oak Ridge National Laboratory



About the FLC

Formally chartered by the Federal Technology Transfer Act of 1986, the Federal Laboratory Consortium for Technology Transfer is a nationwide network of over 300 federal laboratories, research centers, and academic institutions that fosters commercialization best-practice strategies and opportunities for accelerating technologies out of the lab and into the marketplace.

The FLC is governed by an Executive Board that is comprised of four nationally elected positions, in addition to a Host Agency Representative, six Regional Coordinators, Members-at-Large, and the chairs of eight standing committees (i.e., Awards, Communications, Education & Training, Laboratory and Business Systems, Legal Issues, Planning and Policy, Program, and State & Local Government), who are appointed by the Executive Board. The FLC Executive Board determines organizational policy and direction, as well as establishes the annual budget.

The Executive Board is advised by the National Advisory Council (NAC) which includes representatives from the internal and external audiences that make up the FLC community, i.e., industry, academia, state and local governments, and federal laboratories. Other participating organization members are federal agency representatives (ARs) and laboratory representatives (LRs). ARs and LR serve as the primary link between their parent agency or laboratory and the FLC.

The highly motivated T2 professionals who fill each of these positions are experts in their respective fields and the driving force behind improving federal labs’ ability to effectively partner with the private sector. Through their volunteer efforts, the FLC serves as a gateway for industry, government and academia to access federal resources and aid in boosting our nation’s economy.

Connect With the FLC

The FLC Management Support Office (MSO) is dedicated to serving the FLC and the FLC community. For more information on FLC educational resources, tools, services, and events, visit the FLC website, or reach out to us directly.

 support@federallabs.org

 federallabs.org

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Prepared by the FLC Management Support Office
in conjunction with FLC Chair John Dement.

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