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Find expanded coverage, photos and videos at:

today.fit.edu

COVER PHOTO: Panther cub, John Culver, 11, son of Joshua (Web Services) and Amanda Culver (Continuing Education) is an aspiring football player and mathematician.

<http://today.fit.edu>

Florida Institute of Technology
PRESIDENT AND CHIEF EXECUTIVE OFFICER
Anthony James Catanese, Ph.D., FAICP
EXECUTIVE VICE PRESIDENT AND CHIEF OPERATING OFFICER
T. Dwayne McCahey, Ph.D.
VICE PRESIDENT FOR MARKETING AND COMMUNICATIONS
Wes Sumner

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MANAGING EDITOR: Judi Entera, jintera@fit.edu
EDITORIAL MANAGER: Adam Lowenstein, adam@fit.edu
EDITOR: Christena Callahan, ccallaha@fit.edu
CONTRIBUTORS: Christena Callahan, Bino Campanini, Ryan Jones, Drew Lacy, Adam Lowenstein, Purvi Pandit, Steve Proctor, Sara Smith, Wes Sumner
PRODUCER: Rob Gribbroek, Kristie Kwong
WEB LAYOUT: Christena Callahan, Joshua Culver
CIRCULATION: Ali Faisal
PHOTOGRAPHERS: Dominic Agostini, Angela Astrup, NASA, James D. Smith, Wes Sumner

Alumni Office

VICE PRESIDENT FOR ALUMNI RELATIONS AND EXECUTIVE DIRECTOR, ALUMNI ASSOCIATION
Bino Campanini '90, '92 MBA (321) 674-8434, bcampanini@fit.edu
ASSOCIATE DIRECTOR
Diane Deaton '10 MBA (321) 674-7198, ddeaton@fit.edu
ASSISTANT DIRECTOR
Marjorie Beckett '98, '08 MBA (321) 674-7642, mbeckett@fit.edu
ALUMNI ENGAGEMENT
Stevie Pursell '12 MBA (321) 674-6826, spursell@fit.edu
ALUMNI RELATIONS
Hazel Rosskam (321) 674-7190, hrosskam@fit.edu

Have a Story Idea?

Emailfittechtoday@fit.edu

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PRESIDENT'S PERSPECTIVE

Dear Florida Tech Alumni and Friends,

It's fall semester, and the fresh start to a new year is one of my favorite times on the academic calendar. While we have a diverse student body actively studying a range of disciplines across five colleges, from science to psychology, it really is engineering-related fields that form the core of our academic acumen. In fact, approximately three-fifths of our students are engineering majors.

We embrace that expertise in this issue Florida Tech

Today, exploring the creativity and ingenuity that our faculty deploy as they engage the next generation of engineers. Our efforts to educate the "whole brain" mean a healthy dose of arts and culture as well, as witnessed by our growing musical offerings and opportunities for artistic expression.

Our nation needs well-prepared graduates in the all-important STEM fields—Science, Technology, Engineering and Mathematics—and that requires educational opportunities that a university like Florida Tech remains well in .8(n)15(ml31)0.6(h)7.2(e)-13d3c 07DC -0.006 Tc 0.03 Tnl3

Bisk College of Business Announces Accreditation

SQUAMISH SCHOLARSHIP AWARDS BEGIN

Alumni members of the Squamish fraternity have realized their goal of establishing an endowed scholarship to celebrate the fraternity's unique role in student life at Florida Tech.

Contributions to the Squamish Endowed Scholarship Fund have reached the \$25,000 level, and the fund will award its first scholarship in 2015. The scholarship will be awarded to a deserving junior or senior with a minimum GPA of 3.0, with preference given to Squamish members. B HEYSTEK '79 has been a driving force behind establishing the scholarship," said Director of Development, JEFF SPOERI, "and she is encouraging all Squamish alumni to support the new fund."

To make a gift or for more information reach out to Deb at Squamish@bellsouth.net, or contact Spoeri at (321) 674-6162 or email jspoeri@ t.edu.

More than two dozen undergraduate and graduate-level programs in the Bisk College of Business have been accredited by the International Assembly for Collegiate Business Education (IACBE), the leading outcomes-based, professional accreditation agency for business education at universities. IACBE's mission-driven, outcome-based approach allows for a focus on student learning outcomes as a driver in continuous improvement and teaching excellence. That emphasis on continuous improvement gives all the stakeholders a voice, noted ANNIE BECKER, dean of the Bisk College of Business.

Achieving IACBE accreditation is a lengthy, labor-intensive process. The college provided two years of data generated from a required self-study process that highlighted how it was implementing process improvements. Those improvements were gauged by measuring student learning outcomes associated with critical thinking, effective communication, and general and

Enriching Research

INTERSTELLAR IMAGING

In a new project led by Florida Tech professor BATCHELDOR, scientists will conduct research in remote sensing using an extreme-contrast camera on the International Space Station. Funded by a grant from the Center for the Advancement of Science in Space (CASIS), the camera will launch to the ISS in 2015.

WWII-based Tour Across Europe

Robert Taylor, associate dean of the College of Psychology and Liberal Arts, and Matthe Ruane, an instructor in the college's School of Arts and Communication, guided 14 people across Western Europe in May to see pivotal points in World War II history in what organizers called the March to Victory Tour.

The 10-day trip, hosted by the university's Lifelong Scholar Society, started in Normandy, and the group followed the campaigns of WWII, traveling west through the Netherlands, Belgium and Luxembourg before ending at the famed Eagle's Nest in Germany.

"We feel that these kinds of trips are very beneficial, and you learn a lot culturally," Taylor said.

Noteworthy stops included Napoleon's Tomb in Paris, Omaha Beach in Normandy, Bastogne in Belgium and Dachau Concentration

Camp Memorial in Munich.

Taylor and Ruane

are planning for 4(y)1889yloaan454 >>BDC -0.018 Tcr-8.8(1.7(-4.7(2Na)-7.7(r)22e)-217(2Na)-a)-24.8t-8.8(-1.4(l)-0T

As rising junior BRAYDEN THOMPSON stood in the 400-year-old quad at Jesus College, Oxford, this summer, he marveled at the age of the architecture towering over him.

“Just walking around Oxford has been really neat,” said Thompson, the university’s 2012 Farmer Scholar and a native of Mims, Fla.

“I’ve never been out of the country before, so this is all new to me and just a great experience overall.”

Thompson was one of 29 Florida Tech students who spent six weeks in the United Kingdom as part of the university’s annual Study Abroad program.

Participants earned credits while studying topics

like world religions, international business, humanities and calculus. They also became immersed in the culture of the country, sampling local cuisine and interacting with other international students. Trips included visits to Paris, France and Ireland.

Junior and business major MICHELLE TANNER was impressed upon arrival.

“I’ve just always wanted to see something in Europe because I was born in the Philippines but had only ever been there and Florida,” she said. Her high points were visiting the Tower

NEW BIOMEDICAL ENGINEERING HEAD

TED CONWAY, a former National Science Foundation program director, has joined Florida Tech as the head of the biomedical engineering department in the College of Engineering. His distinguished, three-decade-long career spans government, academic and private-sector experience. He holds a doctoral degree in theoretical and applied mechanics from the University of Illinois at Urbana-Champaign.

NEW GRADUATE DEGREE IN AVIATION MANAGEMENT

A new online graduate program, Master of Science in Aviation Management, launched this fall. The program is designed for working professionals in public, private or military aviation professions where advanced, graduate-level knowledge and management concepts is a key to success. Learn more about the program and click on “Aviation-aviation Management”

STUDENT ORG SPOTLIGHT:

American Legion Panther Post 406

For members of American Legion Post 406, Panther Post is more than just a student organization. It's a community within a community with a lifetime membership.

Panther Post 406 is part of the American Legion, an organization dedicated to helping military veterans around the world. Created in February, Panther Post 406 has brought a familiar sense of family to many Florida Tech veterans.

"I just got out of the military two years ago and I missed the camaraderie and my military family," says JARED J. DELACRUZ, computer engineering major. "When I first met everyone in Post 406, I felt the connection right away."

Post 406 brings together not only students, but staff and faculty as well to create a unique veteran community within Florida Tech. Members can only join one American Legion post, but membership lasts long after graduation.

"We just want to come together to each help the next veteran who comes into Florida Tech," says forensic psychology major

JAMAUL GRAYSON. He says members help each other with everything from navigating financial aid decisions to holding community barbecues.

Post 406 hopes to reach out not only to on-campus veterans, but online students and alumni as well. The club hopes to hold online meetings to allow Florida Tech students from all over the country to participate.

"Florida Tech is a very veteran

Behind the S

1 All permanent collection items are assigned a unique object number. A label with the object number is sewn onto textiles that are in good condition, taking special care to ensure the fibers of the textile are not broken.

2 Some textiles that are in good, stable condition are stored hanging such as these Central Asian coats. Most of the textiles in the collection are stored rolled, flat, boxed or hanging. The collection requires a combination of these four storage systems based on the needs of specific textiles—their size, construction and condition.

3 Archival, acid-free boxes are used to store the majority of the collection. These boxes protect the textiles from light and dust and act as a buffer against fluctuations in temperature and humidity. Pictures and object numbers are on the outside of boxes to limit the amount of unnecessary handling.

4 Textiles, particularly historical garments, must be mounted on customized forms in order to exhibit them.

5 A 1940s Ndebele womaditso stogaoOC

Scenes

Vibraphonist and pianist Christian Tamburr is the 2014 Florida Tech Music Artist in Residence. Tamburr's residency was made possible thanks to a generous gift from Barb Keller and Jean Burgdorff. As part of his residency with the School of Arts and Communication, Tamburr teaches master classes and workshops with FIT music students, presents outreach performances to local public schools and holds concerts at Gleason Performing Arts Center. Beyond Florida Tech, Tamburr tours internationally and for the past year has held the musical directorship at Vegas Nocturne in the Cosmopolitan Hotel in Las Vegas. Later this year, he will travel to Dubai, Abu Dhabi and Qatar as an ambassador and featured performer for New York City-based Jazz at Lincoln Center.

ON A BIG QUESTION With Christian Tamburr

What is your Personal Connection?

Over the past 20 years, I have had the great fortune of being able to perform and create music professionally for a living. During those 20 years, I have had to figure out how to explain to my friends, family and parents of the girls I would date that I could, in fact, make a living being a musician. Some of these conversations (some easier than others) bring to point that many people see the creative arts as a hobby or an unsustainable business model (unless you have won "American Idol").

This reality is true. Being a self-employed "artist" is difficult. The competition is steep. It's also an immediate induction into entrepreneurship and running your own business. From the development of the product, marketing, sales and final presentation of the product, an artist's talent and ability are their consumable goods. Every day professional musicians wake up and practice to improve the product, we research what others are doing to maintain a constant pulse on the market, we reach out to prospective venues and outlets to showcase and sell the product, and we put it on display for people to provide immediate feedback and judge its success or lack thereof. This entire business model is one of complete responsibility for all aspects of running a business and a direct connection to the success of the final product.

Think about your career path and how you might change your approach to what you do if you were responsible for all the aspects of the business. Imagine yourself coding a piece of software that will operate a product you will present in front of a room of 2,000 people with the hopes that a majority of those people will buy the product from you. Then imagine that your ability to continue to work and make a living is based upon the sales outcome of that product! This may seem like a stressful scenario, but it is essentially what I do every time I walk on stage with my band and perform anywhere in the world.

Connect yourself with the work you do in a way that brings not only responsibility, but also pride and accomplishment to the end product. I call this process "the personal connection," and I find it is one of the driving factors behind what I do and some of the most successful artists, entrepreneurs and business leaders.

Tamburr's next performance at Gleason is scheduled for 7 p.m. Tuesday, Novurdul bumb /S

F

FIT Football to Play at Dallas Cowboys' Stadium

The football team will play at AT&T Stadium, home of the Dallas Cowboys, on Saturday, Oct. 10, 2014, at 7:30 p.m. The game will be broadcast on ESPN2. Tickets are available for \$25 for adults and \$10 for students by calling the Office of Athletic Administration at (321) 674-6228.

T

“That is exactly why I proposed developing this class—to spark interest in engineering and show people that even in some of the most benign places there is really complicated physics at work,” said Weaver, an associate professor of ocean engineering who surfs as a hobby. “They will never look at the ocean the same way.”

But FIT’s motivation in approving inspired ideas like Weaver’s class on the engineering of surfing goes beyond that. It comes from an understanding that in this Age of Innovation, the successful engineer won’t be someone trained simply to produce a perfect widget. It will be a person broad minded enough to imagine something entirely different, the next Big Thing.

ABRAM WALTON , who teaches

In a few years, flush with this new view of the possibilities, perhaps even harboring visions of a new product that will make it big, engineer

diet of brutally difficult classes on subjects like fluids, statics and thermodynamics.

“The curriculum is very off-putting. It’s not easy,” remembered Jensen, who clearly has his own creative streak, as his office is decorated with memorabilia from his favorite TV show, “The Simpsons.”

Students who took Jensen’s introduction to engineering class last fall faced an entirely different reality. They began with a simple engineering challenge—design and build a miniature golf hole and calculate the score that would represent par.

Classmates worked in teams. Each team got a budget and a set of dimensions defining the space their hole could occupy. Otherwise, there was no limit to the creativity they could display in design. Students had plenty of great ideas, among them a hole that required a player to putt up a ramp and launch the ball over a basketball court and into a tiny net, a tough par by any standard.

What they learned, Jensen said, is that without all those math and science classes they didn’t have all the tools they needed to rise to the challenge. And when par was added to the equation, they had to think not only about the hole they were building, but also about the person who would be playing it—the customer.

“They really got to learn their own limitations,” Jensen said. “That got them looking toward the future. They can start to see the end game. In a few years, their courses will give them those skills.”

They also learned, he said, that the engineers of the future need tools beyond math and science. They need to be able to communicate—to their teammates, their potential customers, the venture capitalists who finance their dreams.

“I tell my freshmen, I don’t care how great an engineer you are—you could cure cancer—if you can’t tell anyone about it, if you can’t describe it so that someone can duplicate it, it’s useless,” Jensen said.

In those ways, FIT is a bit like an Internet start-up company—whose way of thinking represents exactly what Walton seeks to instill in his students.

Walton knows from experience what the classically trained engineer will be thinking when he walks into class. He will be thinking about the nifty widget he is now trained to build and how to create a market for his product.

Here is what he will hear the first time he presents his ideas to Walton, a dynamo and entrepreneur who is unflinchingly frank. “Sit down.”

“We’re not even talking about

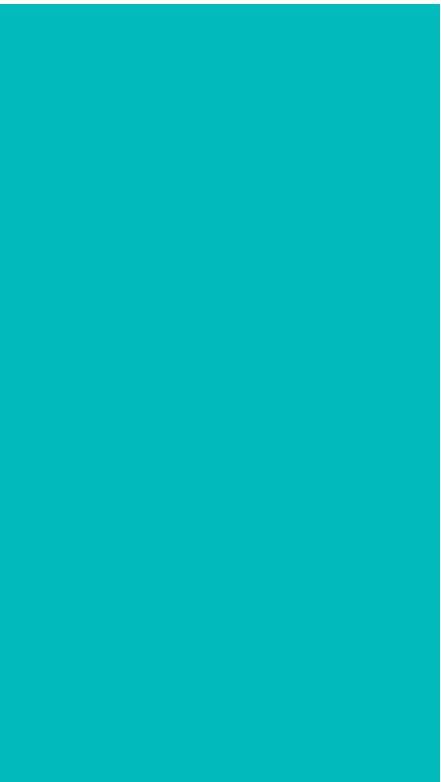
“That’s a very good thing, especially if you’re going to send rockets into space.

Music is a discipline that forces you to take risk, manage it in time and recover, and that is something invaluable for students’ lives.”

Humanities classes represent only the beginning of FIT’s commitment to a cultural life on campus. Students have an array of opportunities to immerse themselves in



developing technology that can help us all,” said KEN STACKPOOLE, vice president of FIT Aviation Programs.



FROM THE FTAA PRESIDENT
DUANE E. DE FREESE '82 M.S., '88 PH.D.

2014 has been a busy year for the FTAA board. As volunteers, we are reaching out to Florida Tech alumni and students throughout the U.S. and the globe. We have assisted alumni with their résumés and job searches. We have talked to alumni about career opportunities within the corporations and organizations we represent. We have visited

ONLINE
EXTRA

Artist and curator Tom Powers '72 (center) Delta Delta Tau (DDT) "all aboard" the Panther Express during their 40th anniversary reunion at FIT's 55th year Homecoming. gave special tours of his Indialantic gallery.

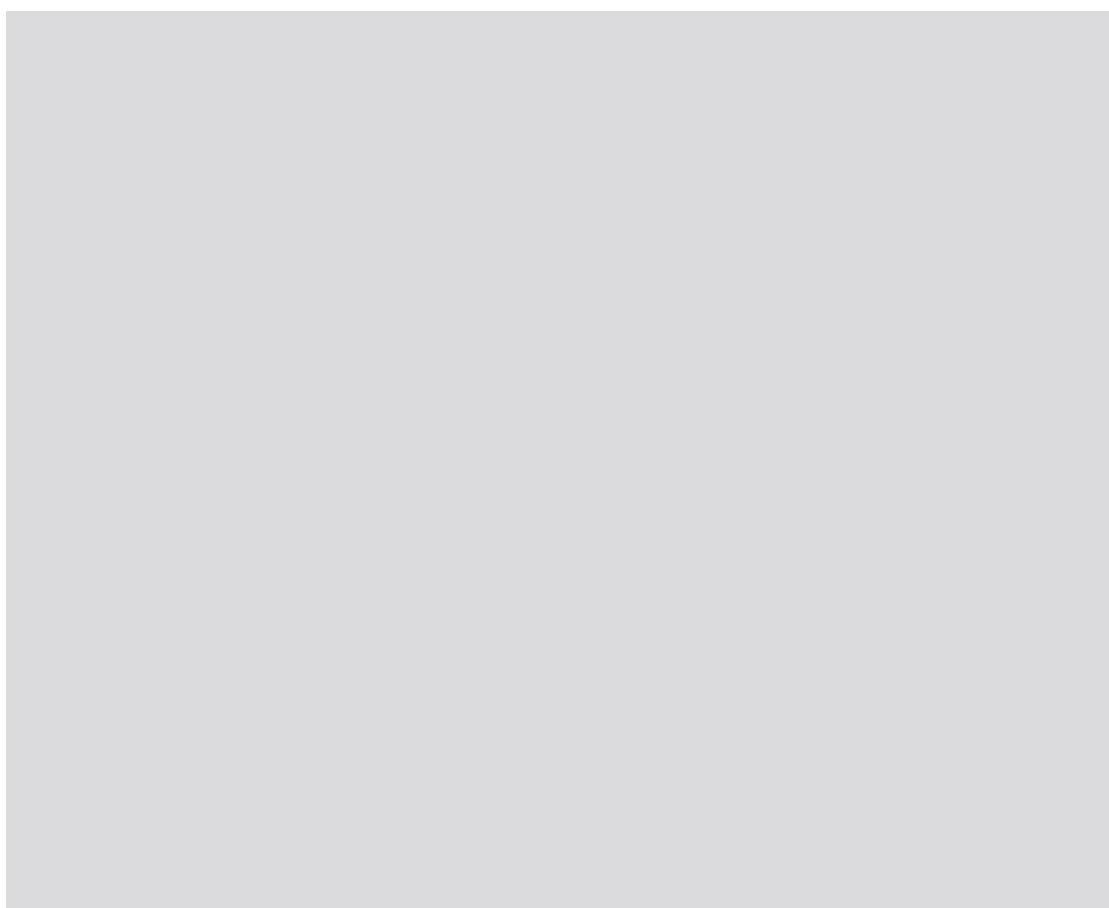
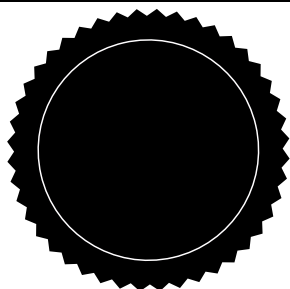
Remaining Active

A Founding Fraternity Marks 40 Years of Fellowship

Last October, Delta Delta Tau (DDT) celebrated its 40th

Join us for a celebration of
Florida Tech and its Alumni!

October 21–26, 2014



For more information or to register visit:
HOMEcomings.FIT.EDU

SATURDAY, OCT. 25

Men's and Women's Rowing
Alumni Races

10–11 a.m.

Homecoming Parade

IN SPITE OF HER FAMILY'S DEEP MILITARY FIRST FEMALE FOUR-STAR GENERAL NEV JOINING THE ARMED FORCES.

Four generation.2(68w,s)0.5(o)4.7(f)0.6(W)66.4(e)-9(s)-7.3(t)0.6(P)21.8(o)5.2(i)-20 c.2(2.6(a)-22.3(m)3.7(e)0.6(b)-8.3(e)0.9(f)12(o)5.6(r)5.7(e)0.5(h)7.2(e)3.2(r)50.9(,) difference—tran68w,sformed her two-yeer commit8.9(m)3.7(e)3.8(n)10.7(t)0.5(i)-20.4(n)10.7(t)-3(o)0.6(a)0.5(h)-22.8(i)-2.9(g)-st6(a)-27.6(f)-31.9(f)0.6(a)-23.3(n)7.2(d)0.5(c)-0.7(o)7.1(m)-21.3(m)-9.1(a)-23.3(n)7 reveled in her potion aa parachute officer in the 82 nd Aiborne Diion.

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Submit your AlumNotes to alumni@fit.edu

1970s

Be a part of the
tradition

For more information on
your official class ring,
please visit us online or
call 1-866-225-3687.

“

DEGREE: **B.S. Mechanical Engineering**

MBA from the American University of Sharjah (AUS) in 2006

NOTABLE ACHIEVEMENT: **Winner of the Performance Excellence Award as Best Manager in Dubai Islamic Bank 2012/2013; two of the branches within our region won Best Branch Award 2013/2014**

FAMILY: **1 son and 3 daughters**

HOBBIES: **Besides soccer, I used to have many hobbies, which I learned during school days in Florida, such as horseback riding, tennis, roller skating and ice skating. But unfortunately, I had to stop doing all that due to a sports injury. Nowadays, I mainly enjoy swimming and traveling.**

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“

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You tell us!

Take a photo of
YOU AND PETE
in a unique destination.

Then, email us at
pete@ t.edu

