

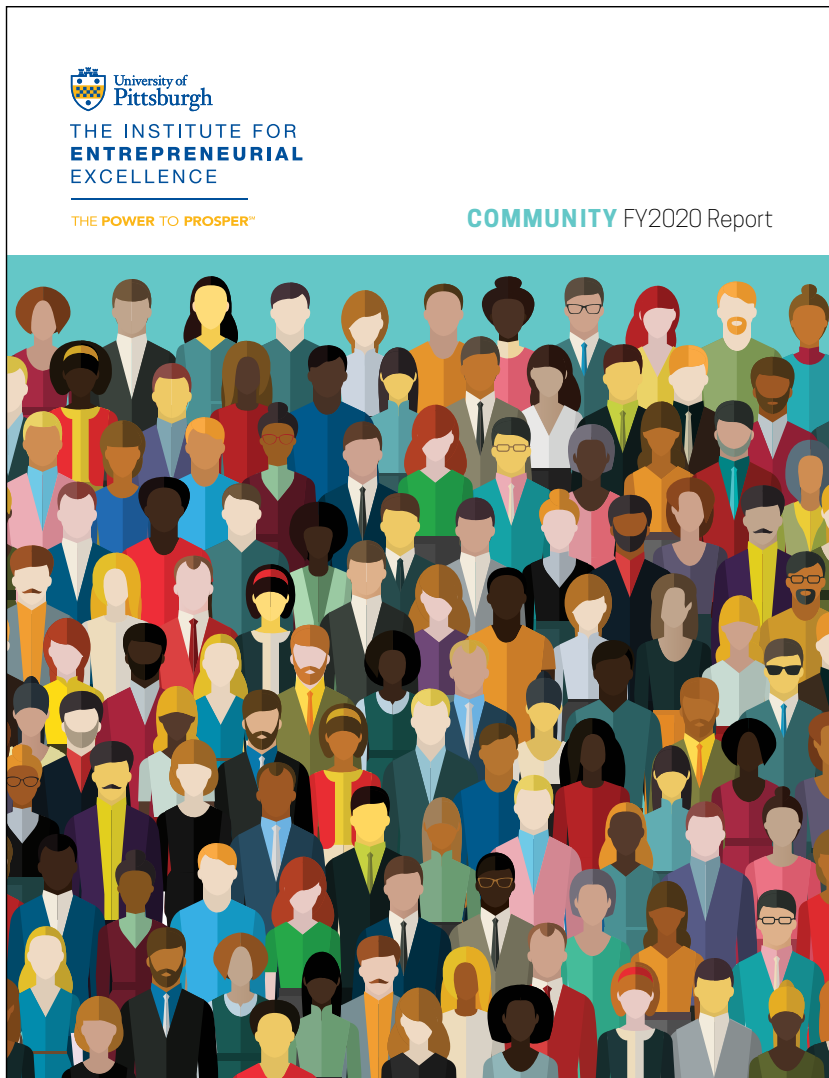
An abstract graphic in the bottom-left corner composed of several overlapping geometric shapes. It includes a large brown L-shaped block, a smaller olive green block to its left, a dark blue block below the brown one, and a small red block at the bottom left. A white square is nested within the brown block.

ZOLTUN

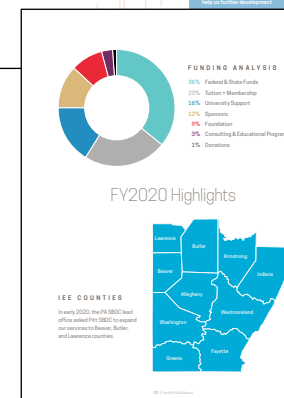
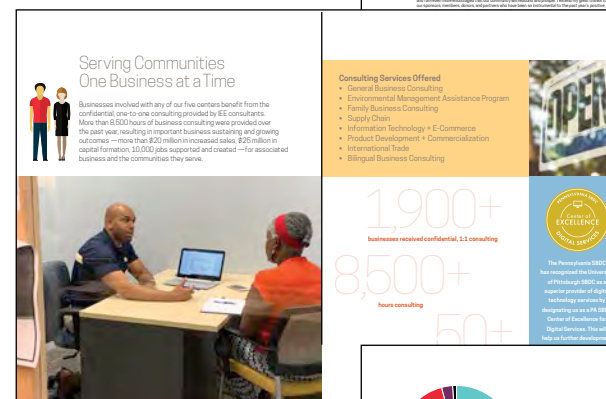
We listen. We interpret. We create.



Annual Reports

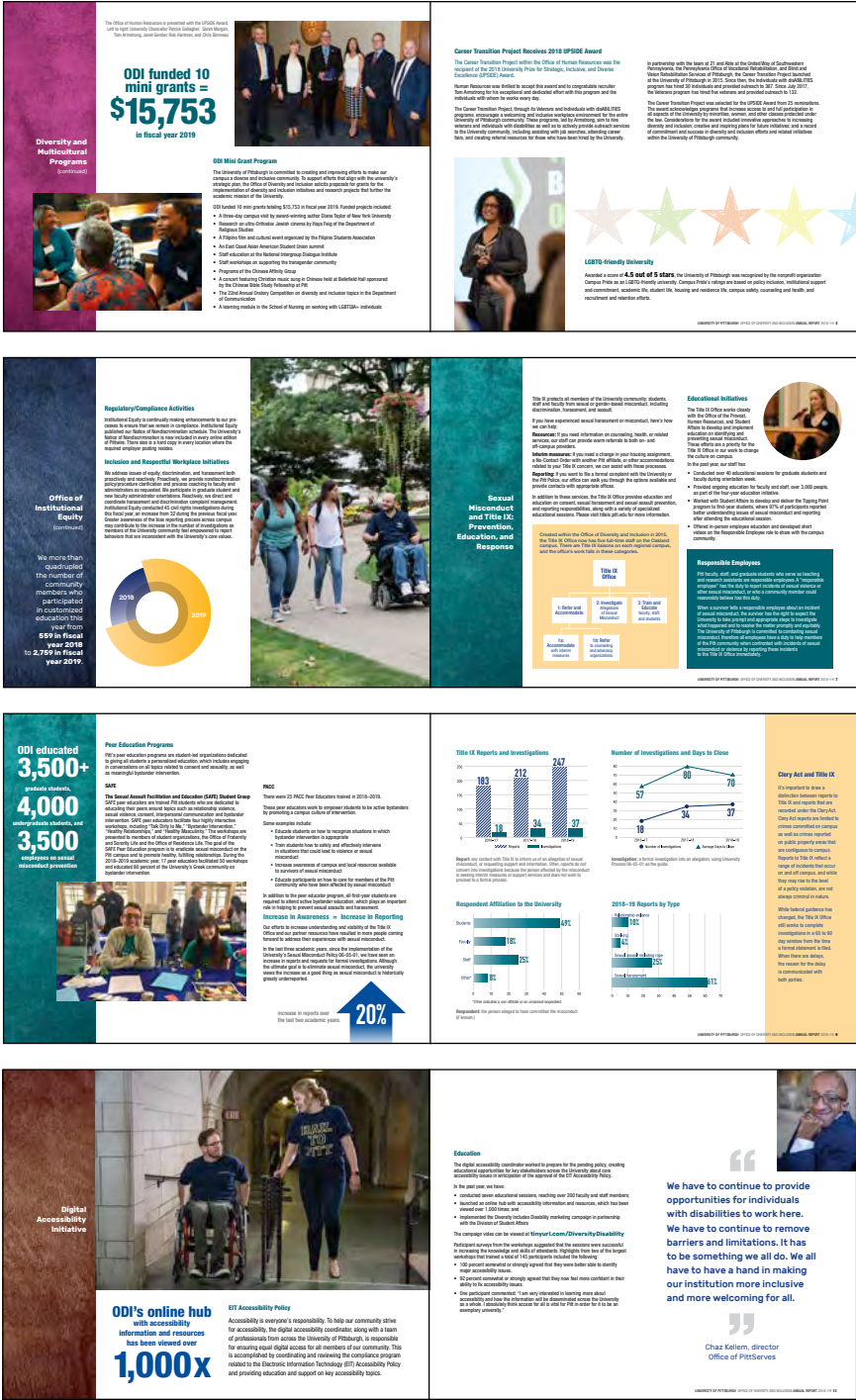


client: University of Pittsburgh, Institute for Entrepreneurial Excellence
project: FY2020 Report





client: University of Pittsburgh, Office of Diversity and Inclusion
project: 2018-2019 Annual Report | ADA Compliant





client: University of Pittsburgh, Institute for Entrepreneurial Excellence
 project: 2018 Annual Highlights Report





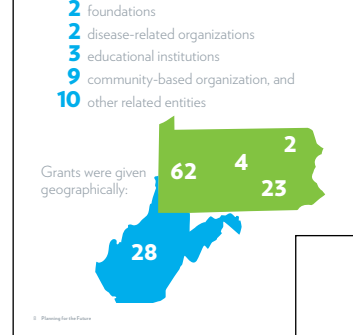
Contents	
Board Members, Officers, and Staff Members	6
Highmark Foundation's Grantmaking	7
Highmark Foundation Impact	8
Grant Listing	24
2018 Publications	34
In the News	34
Mission	
The Highmark Foundation is a 501 (c)(3) private charitable organization dedicated to improving the health, well-being, and quality of life for individuals who reside in the communities served by Highmark Inc. and its subsidiaries and affiliates. We fulfill our mission by awarding high-impact grants to charitable organizations that implement evidence-based programs aimed at improving community health. Central to the Foundation's mission is identifying and continuously re-evaluating our region's	

WELCOME TO THE 2018 HIGHMARK FOUNDATION ANNUAL REPORT

For nearly twenty years, the Highmark Foundation has been dedicated to improving the health, well-being, and quality of life for individuals who reside in the communities served by Highmark Inc. and its subsidiaries and affiliates. We fulfill our mission by awarding high-impact grants to charitable organizations that implement evidence-based programs aimed at improving community health. Central to the Foundation's mission is identifying and continuously re-evaluating our region's

WE SHARE IN A MISSION

Throughout the Highmark health enterprise, we share in a mission to create a remarkable health experience, leaving people in the best care. We do have a shared vision of a world where everyone enjoys health



2018 Educational Support

Adaptive Health Champion of Women's Health Sponsor for the 2018 Annual Breastfeeding Women's Health Symposium	\$20,000
Allegheny Health Network Sponsorship of the 2018 West Virginia Antisocial Service Ability Program	\$10,000
Healthy Start Sponsorship of the 2018 West Virginia Healthy Start Program	\$10,000
West Virginia Health Sponsorship of the 2018 West Virginia Health Fair	\$48,150
Pittsburgh Poor Grants Sponsorship of the 2018 Pittsburgh Poor Grants Health Care Forum Series	\$180,000
West Virginia University at Parkersburg Sponsorship of 2018 educational events held in Parkersburg, WV, focused on the opioid epidemic and its impact on West Virginia	\$5,000
Total Educational Support	\$273,150

2018 Contracts

FOB Consulting	\$4,975
IGC/Comet	\$4,326
Comet	\$1,161
Total Contracts	\$10,562

Total 2018 Foundation Funding:

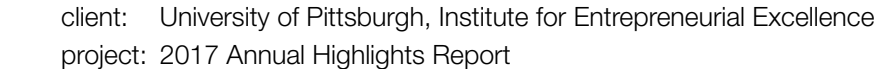
\$2,680,591

client: Highmark Foundation
project: 2018 Giving Report



client: Allegheny Health Network, Saint Vincent Hospital
project: 2017 Nursing Annual Report







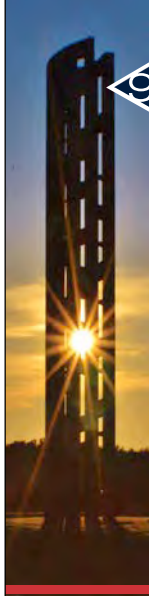
Brochures




2020 Tour de Trail: Berlin to Flight 93

SPONSORSHIP KIT

September 11th National Memorial Trail Alliance





2020 Tour de Trail: Berlin to Flight 93

A virtual bike ride
For 2020, in response to safety concerns posed by the COVID-19 pandemic, we are moving our second annual bike ride through the beautiful Laurel Highlands region of Pennsylvania to a virtual event. Following the lead of many popular active events, including the Pittsburgh and Boston marathons, participants will register and then take a 24-mile bike ride, either on our actual route or closer to home, on a date and time convenient to them.

We'll send all registrants a Tour de Trail t-shirt and information about the 9/11 Trail, including a map of the Tour de Trail route featuring a loop through the grounds of the Flight 93 National Memorial.

About the 9/11 Trail
The September 11th National Memorial Trail is an emerging 1,300-mile trail system, over half of which is complete or under development. The route connects the nation's three memorial sites in New York City, the Pentagon, and Shanksville, Pennsylvania, while honoring the heroes of 9/11 and symbolizing national resiliency and perseverance.

The nonprofit September 11th National Memorial Trail Alliance manages the development of the route, which also serves as an important catalyst for active tourism, local economic development, physical and mental health, alternative transportation, environmental stewardship, and educational opportunities for generations to come.

About the Ride
The route is a scenic 24-mile out-and-back from Berlin to Shanksville, Pennsylvania, featuring a loop through the Flight 93 National Memorial.

Register online: 911trail.org/TourDeTrail

(photo courtesy of Laurel Highlands Visitors Bureau)

Sponsorship Recognition

Presenting Sponsor: \$10,000

- Prominent logo placement on event t-shirt
- Logo and link on web page
- Logo on all collateral
- Social media recognition
- 10 complimentary event t-shirts

Gold Sponsor: \$5,000

- Logo placement on event t-shirt
- Logo and link on web page
- Logo on all collateral
- Social media recognition
- 6 complimentary event t-shirts

Silver Sponsor: \$2,500

- Logo placement on event t-shirt
- Logo and link on web page
- Logo on all collateral
- 4 complimentary event t-shirts




Bronze Sponsor: \$1,000

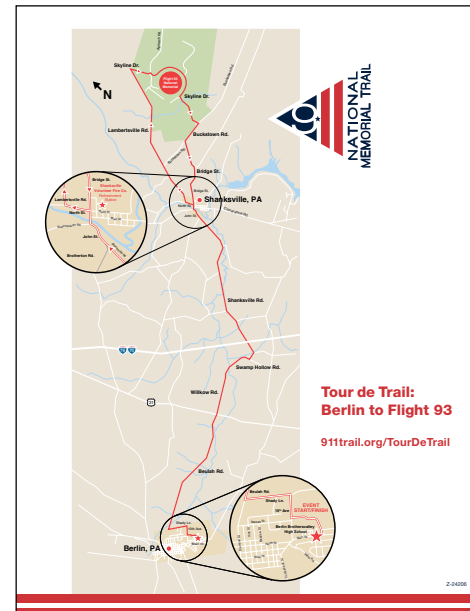
- Name on event t-shirt
- Name and link on web page
- Name on all collateral
- 2 complimentary event t-shirts

Friend of the Trail: \$500


- Name on event t-shirt
- Name and link on web page
- Name on all collateral

Contact:
Thomas Baxter, President
September 11th National Memorial Trail Alliance
tbaxter@911trail.org
412.559.2635




client: 911 National Memorial Trail
project: 2020 Tour de Trail Virtual Challenge | Sponsorship Kit



JDP

END ABUSE | EVERY CHILD | EVERY DAY



collective data artificial intelligence event lineage



pre-cog-ni-tion
noun
Foreknowledge of an event. When gathered technological intelligence forms a pattern to act as a predictor.

Our Pledge
At JDP, our mission is to end abuse. We pledge to be the innovative leader in cognitive background screening, offering fair pricing that is affordable for youth organizations.

- 1 We are on a Mission to End Abuse
- 2 Contributing Factors of Sexual Assault in Sports
- 3 Sexual Assault in Youth Sports by the Numbers
- 4 The More You Know, Benefits of Cognitive Screening
- 5 Traditional vs Cognitive Screening
- 6 Statistics Uncovering the Need to Do More
- 7 Protection Overview: Advanced Screening Tools
- 8 JDP's Cognitive Engine and Process Flow
- 9 Facial Recognition Technology
- 10 Facial Recognition Mobile App
- 11 Non-Registered Database
- 12 Name Normalization
- 13 Name Change Identification
- 14 Data Linage
- 15 Supporting Legislation
- 16 Resources and Reference Models
- 17 Sharing Our Technology Associated Organizations

We are on a mission to End Abuse

W

hile most of us have taken note of the high-profile abuse cases making news on the collegiate or even Olympic athletic stage, we need to recognize that these horrific incidents are a reality on every level of sports. For most youth organizations, the basic level of background screening being utilized to check administrators, coaches, and volunteers is falling short of providing sufficient protection to these vulnerable athletes. We are on a mission to change that.

JDP is a global company headquartered in Pittsburgh, PA. We partner with many youth sports programs around the country to perform background screenings that go far beyond the means of traditional checks. Our multi-layered cognitive screening uses advanced technology and has been proven to reduce the risk of abuse in sports by reporting criminal activity and alerting the leagues of potential predators.

JDP provides superior technology in order to give you undeniable results. Our process is designed to dive below the surface by analyzing the data behind each piece of information, so you can use our comprehensive report to make the best decisions for your organization and for the children who depend on you.

We hope you will join us in our mission to fortify these environments and ensure a safe experience for every child, every day.



Every Child Every Day  End Abuse JDP 81

The Difference is Clear

Full background checks meeting the minimum requirements can be achieved by using the traditional method of screening, but some information should not remain uncovered. By utilizing our unique proprietary technology, our cognitive screening can unearth 70% more relevant information to ensure that you have everything you need to keep kids safe.

Traditional Screening

- Social Security Number validation
- Drive and Address History records
- Unemployment History
- Criminal Record Search
- Federal District Court's search
- Prior History
- County Criminal Records search
- State History
- National Sex Offender Registry search
- Multiple National Watch List search
- Intelligent Discriminatory Database search
- National Comprehensive Informational Records search
- National Motor Vehicle Record 3-year history

JDP Cognitive Screening

Meets USOPC requirements and is enhanced to include JDP cognitive technology.

JDP's cognitive search is a critical, comprehensive profile that goes way beyond the realm of traditional search requirements. Not only do you receive SSN validation, name/developed name/lineage history, registry and watch-list searches, you get an much more!


- Facial Recognition Technology
- Non-Registered Database search
- Data Linage report
- State Normalization comparison
- Name Change/Developed Name search
- Suspended, Banned, & Ineligible USA searches
- Cognitive Matching results
- COGNITIVE DATA EVALUATION including attachments, facts, and unstructured data

56 existing Olympic, Para-Olympic, and Paralympic Registered National Screening Authorities

95% of youth sports programs report that, including the Traditional Screening Authority currently utilize traditional background checks

They pay an average per screening cost of \$25 to \$50
30% individual self-pay - 70% organizational pay

70%
compared to traditional screening, and help combat the alarming number of childhood abuse cases that occur

Every Child Every Day  End Abuse JDP 87

JDP Sets the Gold Standard in Protection



1 Close Other Loopholes
• Monthly or quarterly monitoring
• Heavier enough – use cognitive to continuously learn/observe to protect children
• How do we fit in other searches?
• How do we compare for risk of potential abuse?
• How do we protect against name changes, alias, etc.?

2 Additional Data
• How do we use 90+ known holes in traditional searches?
• How do we ensure to incorporate additional data (data, web, etc.)?

3 Facial Recognition
• How do we further enhance matching to 10 the right person?
• How do we split face ID's and name printed?
• How do we further authenticate a person?

4 Standard Search
• Registered Data (SSN)

Every Child Every Day  End Abuse JDP 91



client: JDP
project: Mission to End Child Abuse Brochure



Evan Fischer
Director, Innovation Institute
Vice Chancellor for Innovation & Entrepreneurship

Fiscal year 2019 represented another banner year of innovation and entrepreneurship on campus and in the region. University of Pittsburgh faculty, staff and students once again set or matched records for invention disclosures and transactions, including spinning out 17 companies based on Pitt-developed technologies. Pitt innovators want to see their discoveries make a difference in people's lives and better the world we share. The momentum that has been established over the past five years is undeniable. And there are no signs of slowing. The number of people that are engaging with the Innovation Institute for education, services, networking and funding continues to grow.

We were delighted to receive \$750,000 federal grant for the life sciences accelerator created by the University in 2017. This grant will be used to expand programs and services so that more life science startups emerging from Pitt and from the region have a place to supercharge their growth.

Student innovation also received a boost when the Innovation Institute's Big Idea Center was selected for a Pitt Seed grant through a program established by the Chancellor to stimulate new transformative projects across campus. The Big Idea Center will launch a new incubator, the Forge, where student startups can receive support they need as they seek to launch their initial products and obtain their first customers.

Finally, the Institute for Entrepreneurial Excellence (IEE) is driving economic development and increasing the diversity of Western Pennsylvania's small business community with targeted, high-impact consulting services that are growing jobs and investment. Last September, after a multi-year engagement with the IEE's Small Business Development Center, Singa & Smoker Southern Kitchen and its opened in Pittsburgh's Bloomfield neighborhood, just one of the 14 businesses started with IEE's assistance last year. Bring on 2020!

\$25,000

Here are just a few examples of Pitt innovators who strive to improve their lives and the lives of others while creating economic opportunity in fiscal year 2019.

EMILY SIEGEL, Trek

Trek was the winner of the 2019 Randall Family Big Idea Competition prize of \$25,000. The team, led by engineering students Emily Siegel and Samantha Burke, is developing a chewing gum that removes plaque both mechanically and chemically from bioadhesive materials targeted to interoral generation people who often go two or more days without brushing their teeth. Trek was selected to participate in the Best Future Student accelerator and is now poised to enter the Forge startup incubator.

"I never thought I could actually pursue my interest in entrepreneurship, but when my idea got traction with peers and faculty, I realized it was completely possible. The Big Idea Center was instrumental and supported me along this journey, and I can't recommend their resources programs highly enough to other students. Students should definitely take advantage of this resource while they can!"

— Emily Siegel

Bruce Freeman

Bruce Freeman has his lab in Pitt's Department of Pharmacology and Chemical Biology into a global authority on the study of counting the oxidative stress of free radicals by decoding the cellular signal controlling properties of nitro fatty acids. As his academic career is winding down, his impact is emerging as with the company that has become a significant portion of the lab's intellectual property portfolio. Complica Inc. is now in Phase II trials of treatments for pulmonary arterial hypertension and focal segmental glomerulosclerosis, an inflammatory kidney disease that frequently results in renal failure.

"As the scope of my career needs to narrow, I see that our research team continues to thrive and see the discoveries we generated have a substantial impact. We intend to increase the life span of people with disease that lack effective drug therapies. Very few have achieved as we are positioned to do that."

— Bruce Freeman

Maria Escobar

Over the past 20 years, Maria Escobar has become the world's foremost expert on Krabbe's Disease, a genetic, neurodegenerative disease that is fatal if not diagnosed in the first few weeks of life. Now Escobar, director of the Program for the Study of Neurodevelopment in Rare Disorders, in collaboration with her husband, Paul Scadden, chief of the Division of Blood and Marrow Transplantation and Cellular Therapies at UPMC, Children's Hospital of Pittsburgh, is developing a gene therapy combined with a cord blood transplant that may stop the disease's progression. She is collaborating with the Innovation Institute to license that technology to an existing company, or potentially form a startup.

"If our study can show that Krabbe's progression can be halted, it would be a major breakthrough for these families."

— Maria Escobar

Diamond Kinetics

Pitt spinouts often keep in close contact with the University. That's definitely the case with Diamond Kinetics, a Pittsburgh company that has commercialized technology developed by Southern College of Engineering Professor William "Reddy" Clark. The company's football, baseball and tennis tracking devices are used by about half the teams in Major League Baseball and numerous college and developmental programs across the country. Now, the company is providing its products to the Pitt football and softball teams so that Clark and School of Computing and Information Association Professor Konstantinos Pektoudis can study how using the products translates to on-field performance.

"We're excited to work with Diamond Kinetics and are looking forward to having them in our backyard."

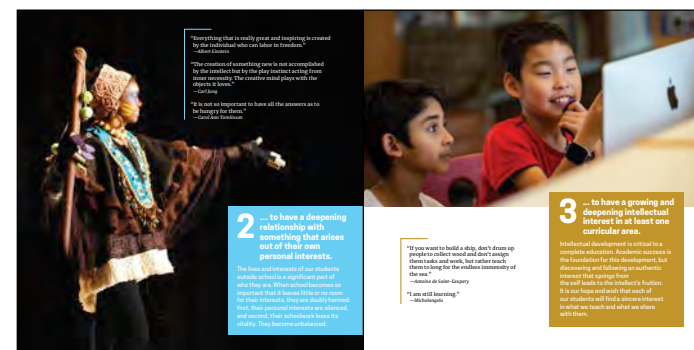
— Josh Hernandez, head coach, Pitt Softball

Brandon Daveler

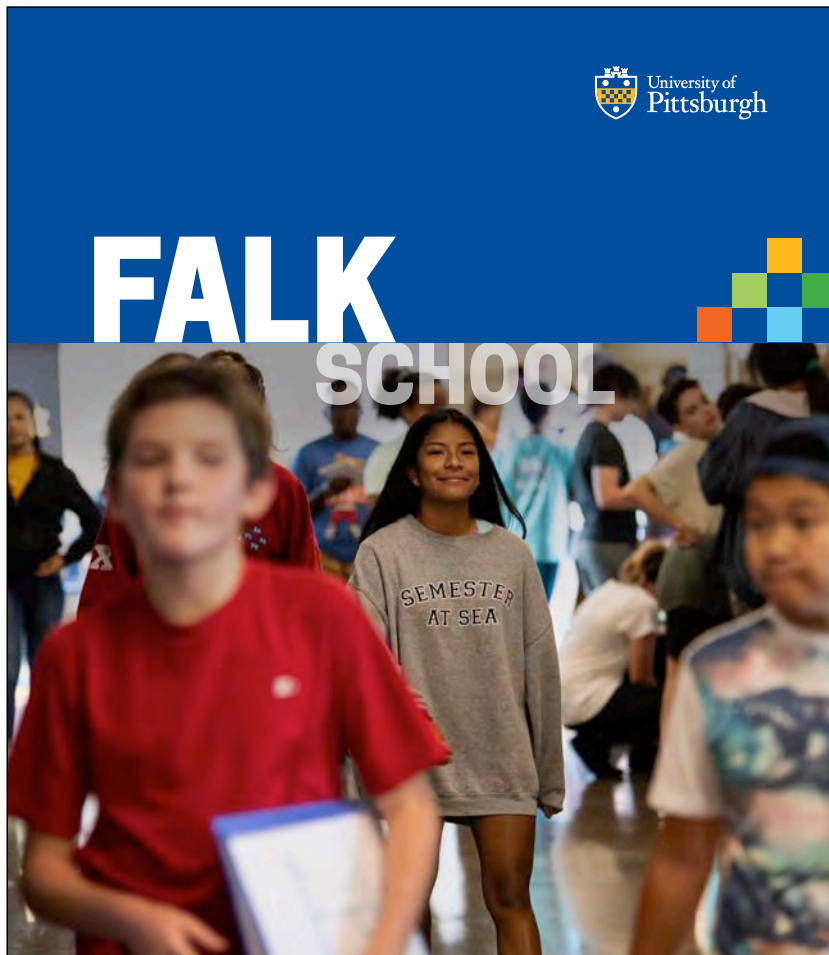
When a Trek theme park designed to be accessible to children with physical challenges approached Pitt's Human Engineering Research Laboratory and asked for help in designing a wheelchair that could be used in the water park area without worrying about generating electrical interference, Brandon Daveler, a Pitt student at PERS, immediately saw the potential for the chair beyond water parks and formed a startup company, Access, that has licensed the technology from the University. Other applications Daveler is pursuing include replacing electric wheelchair and scooter fleets at big box retail stores with all-powered chairs that are easier to re-charge and less expensive to maintain.

"As a power wheelchair user, I live the problems that I am trying to solve. Before my injury, I was an outdoor enthusiast and was looking to working on a project that could help people like me be more independent when outdoors."

— Brandon Daveler



client: University of Pittsburgh, Falk School
project: 21 Wishes Brochure | Design Direction by Pitt | Design and Production by Zoltun



client: University of Pittsburgh, Falk School
 project: Capabilities Brochure | Design Direction by Pitt | Design and Production by Zoltun



A 1,300-mile symbol of national resiliency & honor

NEW YORK | ARLINGTON | SHANKSVILLE



Where Were You on September 11, 2001?

It's a question that shapes our experience as Americans, much as our grandparents' and parents' remembrances of Pearl Harbor and the death of President Kennedy did decades ago.

Although our efforts working with government officials and generating private support have been successful, congressional support is key to completing the Trail.

Andrew S. Hamilton, Chairman of the Board
September 11th National Memorial Trail Alliance

An Economic Development Engine for Your State or District

More than 50 percent of the 9/11 National Memorial Trail is off-road. Over the past year, the September 11th National Memorial Trail Alliance has been partnering with federal, state, county, and local officials on 14 projects in an effort to connect more than 30 trails.



Many roads, bridges, and public buildings honor the memories of those who served in World War II and of President John F. Kennedy. In that spirit, it is fitting for us to remember those who lost their lives in the 9/11 terrorist attacks by completing development of the September 11th National Memorial Trail.

This 1,300-mile network of bicycle and pedestrian trails and greenways connects the three 9/11 national memorials and runs through seven states and the District of Columbia to provide unique opportunities for exploration, reflection, education, and celebration.

It allows cyclists, hikers, history buffs, and others to enjoy a network of trails and roadways that provide easy access to more than 50 sites managed by the National Park Service and preserves the memories of the fallen heroes who perished on September 11.

Regardless of an individual's interests, understanding of history, age, or physical ability, the September 11th National Memorial Trail offers something for everyone.

9.11.01

The Alliance is engaged in this noble undertaking because development of the Trail can serve as a reminder of the past, as well as become a catalyst for economic development by encouraging memorials and educational tourism in Delaware, Maryland, New Jersey, New York, Pennsylvania, Virginia, West Virginia, and Washington, DC.

In these contentious times, the 9/11 National Memorial Trail represents an opportunity for people of different persuasions to work together toward achieving a common goal and leaving a legacy to future generations.

The 9/11 National Memorial Trail honors those who were lost and celebrates our national resiliency, as well as our cultural and industrial heritage.



The September 11th National Memorial Trail Alliance engages federal, state, county, and municipal government officials, as well as private citizens, to remember the monumental events of September 11, 2001.

Thomas Baxter IV, President
September 11th National Memorial Trail Alliance



The September 11th National Memorial Trail

Visit 911Trail.org for details and updates.



Find Your Connection on the September 11th National Memorial Trail

- | | | |
|---|---|--|
| DELAWARE <ul style="list-style-type: none"> • Delaware River Greenway Trail | NEW YORK <ul style="list-style-type: none"> • September 11th Memorial & Museum | <ul style="list-style-type: none"> • Schuylkill Valley Heritage Trail • Schuylkill National Trail • Valley Forge National Historical Park • Washington-Bethlehem National Historic Trail |
| MARYLAND <ul style="list-style-type: none"> • 9/11 Memorial of Maryland • Annapolis National Historical Park • Baltimore and Annapolis Trail • C&D Canal National Historical Park • F. B. Roddenberry National Monument and Historic Sites • Garden of Remembrance • Maryland State Park & Monuments/Heritage • Tony G. Brown Rail Trail • Washington, Baltimore, and Annapolis Trail | PENNSYLVANIA <ul style="list-style-type: none"> • Allegheny Portage Railroad National Historic Site • Capitol Area Greenbelt • Cumberland Valley Rail Trail • Delaware & Lehigh Rail Trail • Delaware Water Gap National Recreation Area • Flight 93 National Memorial • Gettysburg National Military Park • Great Allegheny Passage • Horseshoe Curve National Historic Landmark • Independence Trail • John Heinz National Wildlife Refuge • Josephine Fort National Historical Monument • Lehigh Valley Rail Trail • Lehigh Trail • North Central and York County Heritage Trails • Northwest Lancaster County River Trail • Path of the River Trail • Schuylkill River Trail | <ul style="list-style-type: none"> • Schuylkill Valley Heritage Trail • Schuylkill National Trail • Valley Forge National Historical Park • Washington-Bethlehem National Historic Trail |
| NEW JERSEY <ul style="list-style-type: none"> • Delaware & Raritan Canal State Park Trail • Delaware Water Gap National Recreation Area • East Coast Greenway • Empty Sky Memorial • Liberty State Park • Liberty Water Gas Trail • Monmouth National Historical Park • Passaic Valley Trail | WASHINGTON, DC <ul style="list-style-type: none"> • Annapolis National Cemetery • Mount Vernon Trail • Pentagon National Memorial • United States Capitol | |

Memorial Destinations



client: 911 National Memorial Trail
project: U.S. Congress Collateral Brochure



Food

- Food court 2nd floor lobby area of Fifth Avenue Place.
- Cafeteria 3rd floor Fifth Avenue Place (provided by Parkhurst Dining).
- Breakfast hours: 7:00 a.m. to 9:00 a.m.
- Lunch hours: 11:00 a.m. to 1:00 p.m.
- Menu can be found at the top right-hand corner of the HighWire internet homepage.
- Market Square is within walking distance of Fifth Avenue Place and Penn Avenue Place.

Shuttle

- The Cross River Shuttle is professionally operated by Transport U and provides service between Penn Avenue Place, Isabelle, and Four Allegheny Center.
- Hours: Monday through Friday, from 9 a.m. to 5 p.m.
- The schedule can be found on HighWire > Travel & Meetings.
- The shuttle is free for Highmark Health enterprise employees. Simply show your ID badge to the driver when entering the shuttle.

Fitness Center

- 1st floor of Penn Avenue Place.
- More info: HR Services Online > Benefits & Wellness > Wellness > Fitness Centers.

Health Center

- On-site employee health center operated by Allegheny Health Network (AHN) that provides many, if not all, of the services employees would receive in their doctor's office. It also offers on-site physical therapy services and a full-service pharmacy.
- 3rd floor of Fifth Avenue Place.
- Hours of operation: Monday through Friday, 7:30 a.m. to 4:00 p.m.
- Phone: 412-442-2345.
- More info: HR Services Online > Benefits & Wellness > Additional Benefits & Services > On-site Health Centers.

Port Authority T Stations

- The T station sits in front of Fifth Avenue Place and stops at the Northside and North Shore, which are home to various parking lots and garages for employees. The T also goes to South Hills Village for those commuting into the city.
- The T is free for those traveling in the city limits. If you are commuting to South Hills Village, there is a fee.
- Find out more information at www.portauthority.org.

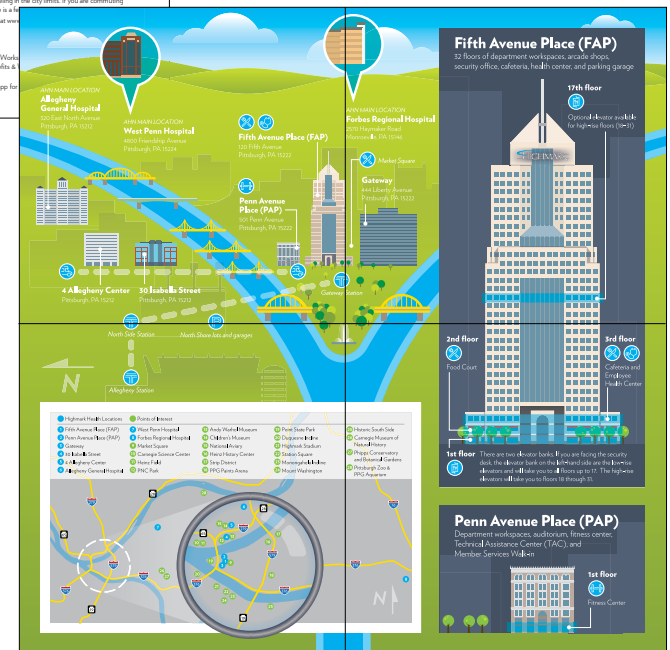
Parking

- Be sure to check out HighWire/HR Services Online > Benefits & Commuter Benefits.
- Check out the Park PGH app for city garages.



Numbers to Know

HR Services
1-844-242-4748
Technical Assistance Center (TAC)
1-800-561-2802 or 412-888-4822
Security
412-544-4220
Integrity & Compliance
1-800-985-1056



HR Services
1-844-242-4748
Technical Assistance Center (TAC)
1-800-561-2802 or 412-888-4822
Security
412-544-4220
Integrity & Compliance
1-800-985-1056



client: Highmark Health
project: All About the Burgh New Employee Orientation Guide Brochure



Manufacture your future.



MAC

Since 1991, the University of Pittsburgh's Manufacturing Assistance Center (MAC) has connected thousands of people with critical skills in manufacturing. The MAC offers education and professional training in precision manufacturing, CNC programming and CAD/CAM technology. As a result of the Industrial Training Department of the Swanson School of Engineering, the MAC provides quality training opportunities in an atmosphere where innovation meets advanced technology. The MAC helps students realize the technical skills that employers are seeking and has a job placement rate of over 95%.

In 2017, the MAC relocated to a state-of-the-art facility in Homestead and has become a technology equipment center for the community. In addition to technical education, the MAC operates a free resource for the community, offering educational programming for schools and small business development services through PerimeterWorks, an extension of the University of Pittsburgh Institute for Entrepreneurial Excellence. The MAC is a true success story of what happens when a community invests in the community and focuses on innovation.

The MAC's facility at 1000 Southwestern Street in Pittsburgh is a 300,000 sq. foot. In addition to formal classroom spaces, the MAC's machining lab has lathe, mill, 3D printer and precision surface grinder, as well as 5-axis and 5-axis CNC machine tools. The MAC Maintenance and CNC/CAD lab help round out the center for innovation and active learning.


job placement
rate of over

95%

Precision Manufacturing Training Programs

Skillset workers are the most critical element of successful companies. Regardless of your prior experience, the MAC offers several training options for individuals interested in a rewarding career in manufacturing. Our full-time training programs run Monday through Friday, from 8:00 am until 4:00 pm and provide students with quality training backed by a world-renowned university. MAC programs are approved for funding under the Workforce Investment Act and the Trade Adjustment Act. The MAC is also an approved GI Bill® training provider.

<p>PRECISION MANUFACTURING 8 Weeks 280 Hours M-F 8 am - 4 pm 1 Credit</p> <p>The MAC's precision manufacturing program combines classroom, shop and machine time to develop a graduate with manual machining and tooling skills. Trainees learn how to safely operate drills, mills, lathes, grinders and saws. They learn the proper use of inspection tools as well as applied mathematics. Students are also introduced to the operation of CNC mills and lathes.</p>	<p>CNC PROGRAMMING AND OPERATIONS 6 Weeks 210 Hours M-F 8 am - 4 pm 1 Credit</p> <p>Students learn the CNC programming and operation skills employers find most difficult to connect with in our region's job market. Students will learn the theory of G-Code, machine language programming, production set-up, tool selection and the care and maintenance of the CNC mill and lathe. Students will gain direct experience on HAAS and MAZAK CNC equipment.</p>	<p>ADVANCED CNC AND MASTERCAM 6 Weeks 210 Hours M-F 8 am - 4 pm 1 Credit</p> <p>This advanced program provides students with a thorough knowledge of CAD/CAM theory, 2D and 3D CAD drawing, toolpath creation, tooling selection and coolant program verification, NC code generation and program editing. Please inquire about scholarships and tuition assistance.</p>
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Master the twists and turns of machining.

22%

of our region's workforce is age 55 or older and nearing retirement

Positioned for Success

According to a recent press release by the Allegheny Conference on Community Development, "The Pittsburgh region's workforce will undergo a complete and dramatic transformation due to worker retirements, economic growth and occupational transitions." They also mention that 22% of our region's workforce is age 55 or older and nearing retirement. And that isn't entirely enough, a report regarding the skills gap in precision manufacturing from Burning Glass, a leading labor market analyst, suggests that skilled production roles (CNC, CAD, CAM) are among the most difficult for employers to fill - citing most PerimeterWorks precision manufacturing companies an average of 30 days from position posting to hire. Many middle-skill positions are highly technical in nature and are nearly impossible to fill without those who possess the proper training.



Invest in every bit of yourself.


Defining, Guiding and Planning

PerimeterWorks, part of the University of Pittsburgh Institute for Entrepreneurial Excellence, is dedicated to helping entrepreneurs turn original ideas into profitable action. Through the development and launch of new products across a variety of industries, PerimeterWorks assists in market research, financial planning and securing funding. PerimeterWorks also helps existing companies to identify revenue opportunities such as product and process improvements.

Whether you are looking to sell your handmade goods, or launch a new software package, PerimeterWorks is here to help you at every step of the way.

A PerimeterWorks Technical Management Consultant is available (by appointment) at the MAC to assist individuals with the following:

- Define a primary viable product
- Identify optimal materials and manufacturing processes
- Determine concept to production pathway
- Provide guidance throughout the product development process
- Assist in the exploration of sales, marketing and operational strategies
- Facilitate connections to resource partners
- Access to rapid prototyping machinery
- Help establish manufacturing and sourcing partnerships



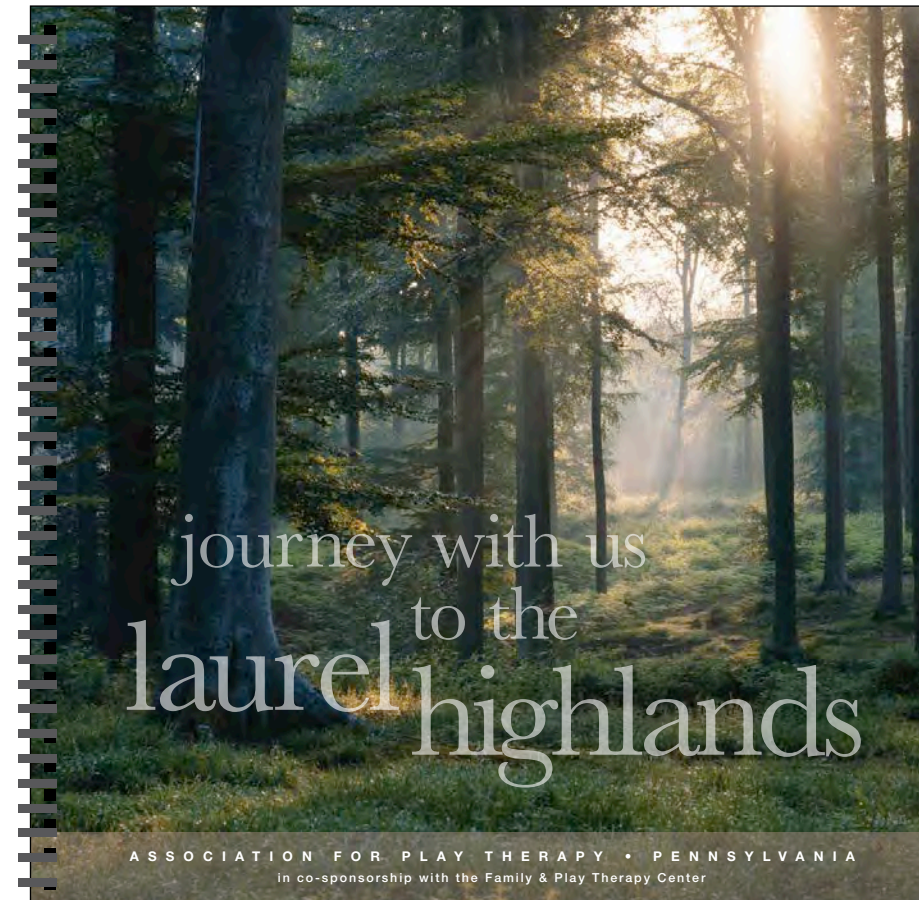
MAC's got your back.

client: University of Pittsburgh, Swanson School of Engineering
 project: Manufacturing Center Brochure | Design and Theme Writing



client: University of Pittsburgh, School of Dental Medicine
project: 17th Annual Research Symposium Brochure





workshops

FRIDAY
Evening Session
7:30-9:30 pm
F1: Call of the Drum & Play Therapy Approach to Tapping the Source Within
Linda Neale-Schuch, MA, PhD, LPC, CC-APT, RPT

Researchers are discovering the secrets of drumming and its effects on the human brain and have concluded that drumming can be used as a form of therapy. This workshop will introduce us to the basics of using a drum during play therapy sessions to facilitate positive outcomes that include more positive emotions, social cooperation, an enhanced ability for problem-solving, and a variety of other benefits. We will learn to play basic drumming and understand how it can be used with individual, family, and group play therapy sessions. We supply the workshop handout.

SATURDAY
Morning Session
9:00 am-12:15 pm
S1: Using Puppets in Play Therapy to Enhance Family's Journey
Dottie Higgins-Klein, LMFT, RPT-S

This presentation demonstrates how play therapy for a very sensitive, self-conscious 5-year-old boy helped him to play therapy sessions and parent involvement. The technique builds a developmental approach and how these methods can be adapted for children on a continuum from low anxiety to general anxiety disorder, including those who are selectively mute. The speaker describes the contribution of both directed and spontaneous play therapy, and includes teaching techniques to engage parents to change their behaviors to better respond to their anxious child.

SATURDAY
Morning Session
9:00 am-12:15 pm
S2: Tapping Your Way In and Out of Play, Mindful & Humane Self-Care for Play Therapists
Diane Sullivan, PhD, LPC

Tapping or Emotional Freedom Technique (EFT) can be used in and out of play therapy to process negative emotions, trauma, and "stuck" beliefs. This presentation will focus on the theoretical principles of tapping EFT and its connection to energy, work, and mindfulness. Participants will explore the theoretical connections between EFT and the mental health / play therapy field. Participants will learn to use EFT principles critical in being an effective play therapist – empathy, genuineness, and unconditional positive regard.

SATURDAY
Afternoon Session
1:30-4:45 pm
S3: Play Therapy with Trans/Gender Fluid Kids and Teens: Beyond the Binary
Dana East-Morfield, LPC, RPT-S

The typical play therapist and family counselor may be hearing more and more about transgender and gender fluid experiences with children, teens, and families. Children as young as 3 have expressed dysphoria because their biology (sex) and their gender identification do not match societal expectations. This year's presentation is a follow-up to Dana's 2014 workshop that explored basic information regarding gender expression and gender fluid experiences. This training will examine two case studies in order to deepen the understanding, share additional research findings, and teach play therapy techniques through experiential learning. This training is appropriate for an intermediate play therapist and is not dependent on having attended the 2014 workshop.

SATURDAY
Afternoon Session
1:30-4:45 pm
S4: Understanding Theme in Play Therapy AND How to Explain Them to Parents
Jacqueline George, LCSW, RPT-S, CAPPT

Play is a child's language and recognizing the theme of a child's play is critical. The workshop will address what a play therapist should know about a child's play theme. There is the reason why it is important to recognize the theme(s), and how themes may be shared with play therapy parents. Participants will also practice recognizing themes. In addition, many therapists find it challenging to communicate the child's theme to the parents. This workshop will focus not only on how to help a parent understand their child's play theme, but also on how parents can become a part of making their child address those themes at home.

SATURDAY
Afternoon Session
1:30-4:45 pm
S5: Repeating the Film – The Importance of Self-Care
Stephanie Galloway-Medina, LCSW, RPT-S

This workshop aims to preserve or reinvigorate the passion and energy in our role as play therapists / helping professionals through emphasis on playfulness, self-awareness, and self-care. Through the use of audiovisuals, music, improvisation and research-based reflective exercises, participants will explore their journey of becoming a play therapist / helping professional, its meaning to them, and how to keep the passion ignited for our profession. Cognitive-behavioral and expressive therapies will be the primary theoretical frameworks utilized throughout the 2014 workshop.

agenda:

Friday, June 16, 2017

8:00 am
Breakfast buffet and vendors open

8:45-9:00 am
Welcome/announcements

9:00-10:30 am
Morning session: Dottie Higgins-Klein

10:30-10:45 am
Break

10:45 am-12:15 pm
Morning session continues

12:15-1:30 pm
Lunch break

1:30-3:00 pm
Afternoon session: Dottie Higgins-Klein

3:00-3:15 pm
Break

3:15-4:45 pm
Afternoon session continues

4:45-5:00 pm
Closing/completing evaluations

Drinner time scheduled by Laurelville

7:30-9:30 pm
Workshop—Call of the Drum: A Play Therapy Approach to Tapping the Source Within

Saturday, June 17, 2017

8:00 am
Breakfast buffet and vendors open

8:45-9:00 am
Welcome/announcements

9:00-10:30 am
Morning workshops

10:30-10:45 am
Break

10:45 am-12:15 pm
Morning workshops continue

12:15-1:30 pm
Lunch break

1:30-3:00 pm
Afternoon workshops

3:00-3:15 pm
Break

3:15-4:45 pm
Afternoon workshops continue

4:45-5:00 pm
Closing/completing evaluations

SPECIAL ACCOMMODATIONS

If you are accessibility disabled, a first floor room can be provided for you. Please see registration form request.

PHOTO RELEASE

PA-APT and its legal representatives and assigns retain the right and permission to publish, without charge, photographs taken during this event. These photographs may be used in publications, including electronic publications, or in audio-visual presentations, promotional literature, advertising, or in other similar ways.

CONTINUING EDUCATION

Play Therapists: PA-APT is an APT Approved Provider and 120.

The Pennsylvania Association for Play Therapy (PA-APT) has approved the Pennsylvania State Board of Psychology to offer continuing education for psychologists. PA-APT maintains responsibility for the programs. Sponsor Provider License #PT000210

LSW/LCSW/LPC/LMFT

The Family & Play Therapy Center is approved by the Pennsylvania State Board of Social Workers, Marriage and Family Therapists, and Professional Counselors to offer continuing education for social workers, marriage and family therapists, and professional counselors. Six CEUs will be awarded each day to participants who attend the full day. Partial-day credits cannot be given to participants on this policy.

registration form:

NAME _____

AGENCY _____

ADDRESS _____

CITY _____

STATE _____ ZIP _____

PHONE _____

EMAIL _____

Housing space is very limited. Please register early.

☐ I would like to stay at Solarhouse (rooms hold up to 4 people, with private bath). My roommate's name is: _____

☐ I agree to be assigned a roommate(s) — up to 2

☐ I prefer a single room, for an additional \$50 charge

☐ I will require first floor accessibility

☐ I will make arrangements for my accommodations (please continue on the back side of this form)

conference selection:

☐ 1-day conference
☐ Friday ☐ Saturday (please select one)

☐ 2-day conference

workshop selection:

FRIDAY EVENING

☐ F1 (2 additional CEUs)

SATURDAY MORNING (please select one)

☐ S1 ☐ S2

SATURDAY AFTERNOON (please select one)

☐ S3 ☐ S4 ☐ S5

registration:

ONLINE: paapt.org

USPS: Mail this form with your check made to PA-APT, Ginger Wallace, 740 Card Street, New Cumberland, PA 17070

Pre-registration must be postmarked by June 10, 2017.

After June 10, please register at the event.

fees:

Includes CEUs, Thursday and Friday lodging, 6 meals beginning with Friday breakfast through Saturday lunch, and snacks during the day. There are no exceptions for off-campus housing.

BEFORE May 15, 2017

Full 2-day conference

APT Member \$300.00
Non-APT Member \$310.00
Student/Retiree/Affiliate \$250.00

Add \$50.00 for a single room

1-day conference (lodging not included)

APT Member \$160.00
Non-APT Member \$165.00
Student/Retiree/Affiliate \$135.00

(Cost of 2 meals included)

AFTER May 15, 2017

Full 2-day conference

APT Member \$335.00
Non-APT Member \$345.00
Student/Retiree/Affiliate \$285.00

1-day conference (lodging not included)

APT Member \$185.00
Non-APT Member \$195.00
Student/Retiree/Affiliate \$155.00

(Cost of 2 meals included)

cancellations:

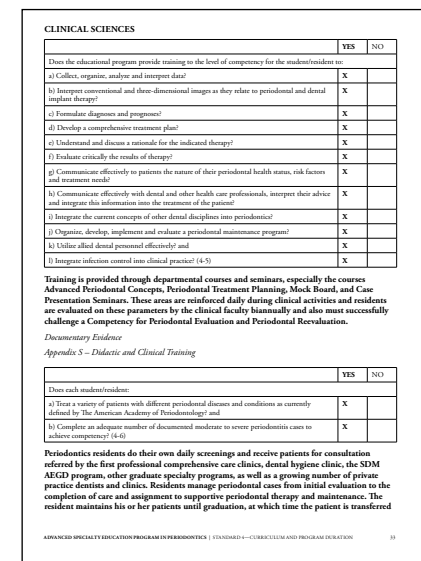
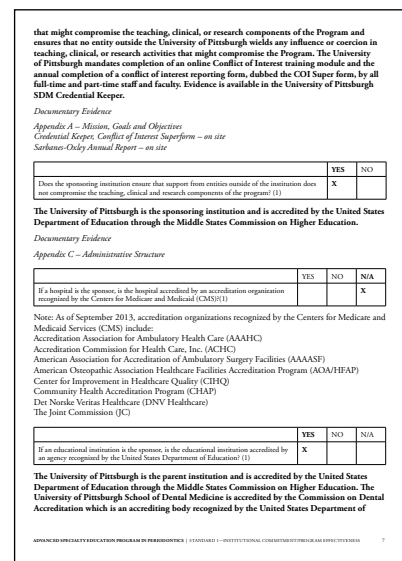
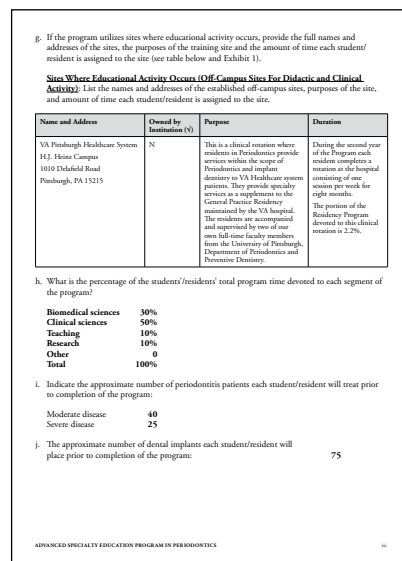
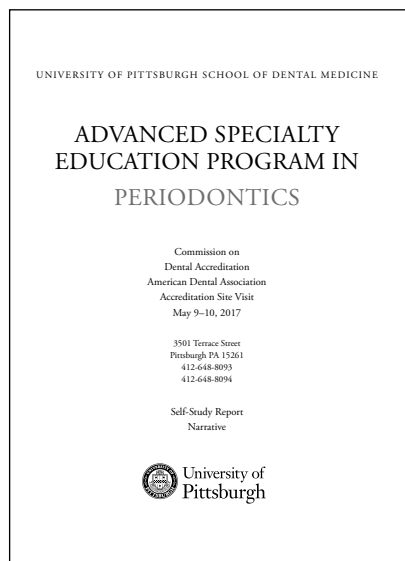
Written cancellations must be received 7 days prior to the conference. Refunds are given up to 1 week prior to conference. Refunds subject to \$20 processing fee.

therapeutic

client: Pennsylvania Association for Play Therapy
project: Laurel Highlands Retreat Registration Brochure

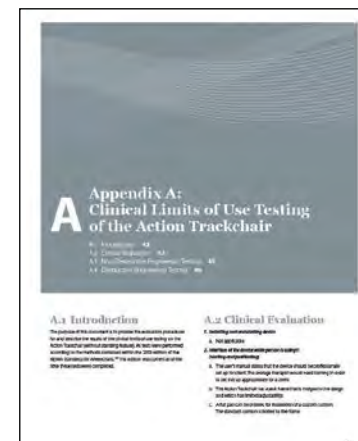
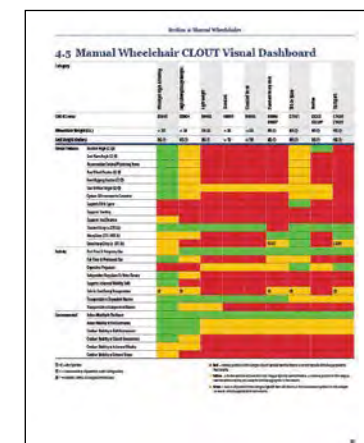
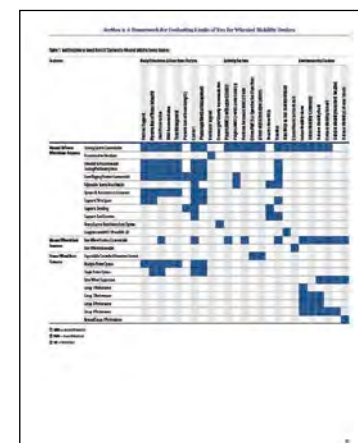
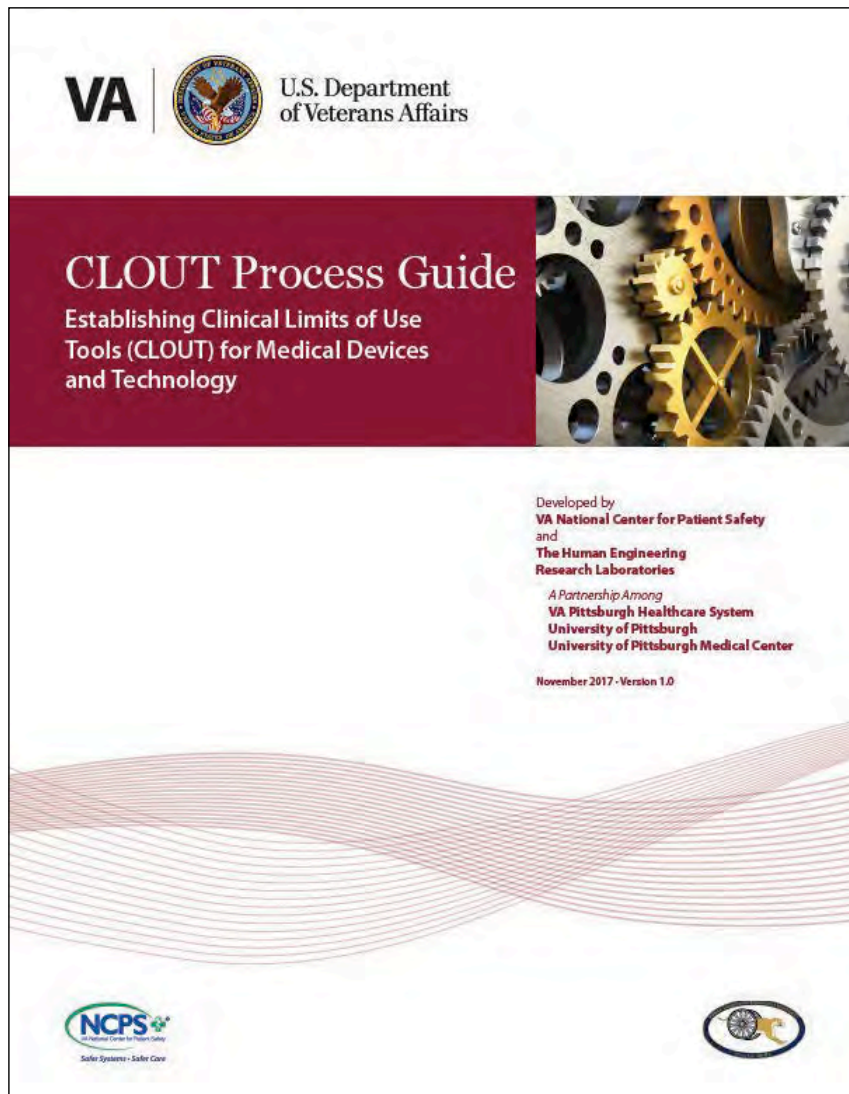


Catalogs and Directories



client: University of Pittsburgh, School of Dental Medicine
project: Study Accreditation Program Volumes

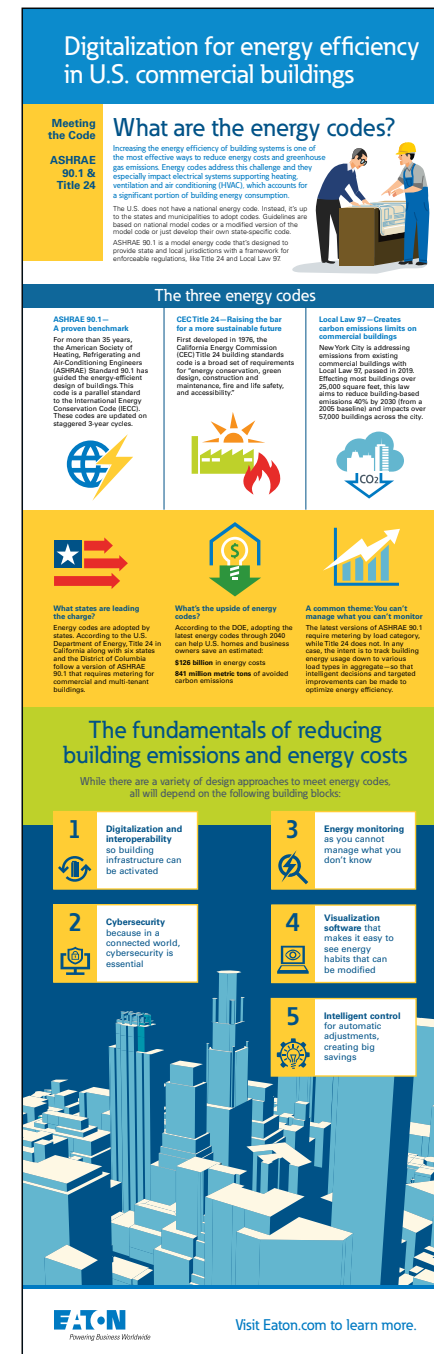
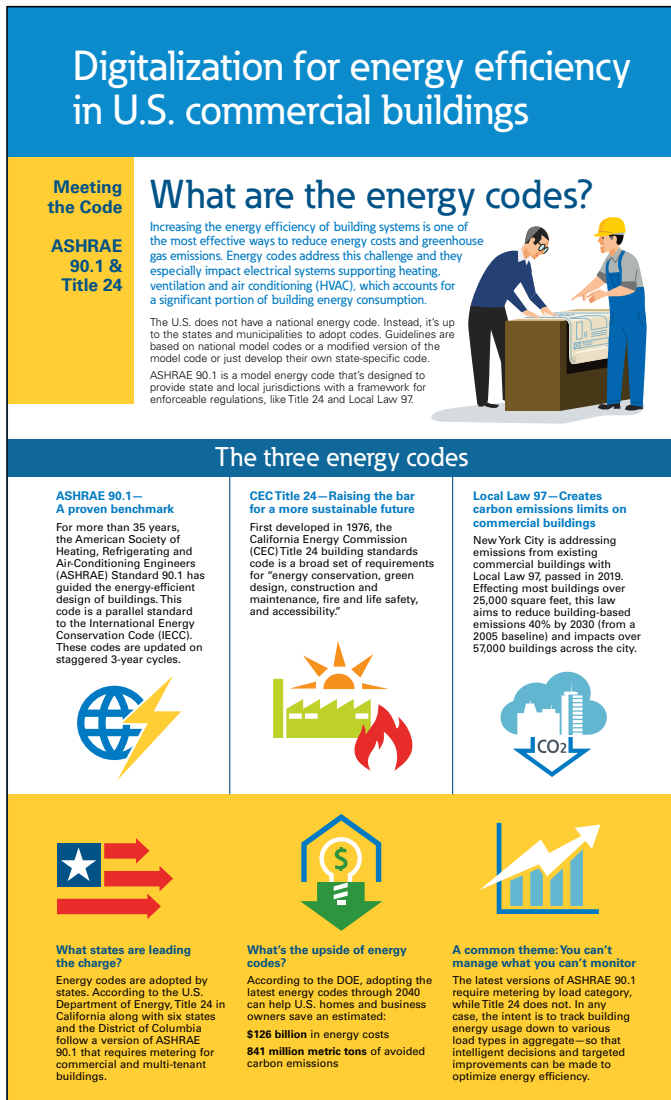
[illegible]



client: University of Pittsburgh, U.S. Department of Veterans Affairs
project: CLOUT Process Guide | Section 508 Compliant



Infographics



client: Eaton
project: U.S. Commercial Energy Codes Infographic

Finance

Our evolution journey



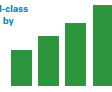
Why functional excellence?

We must adapt our Finance organization to meet the current and future needs of our customers.



Leading the way with a world-class Finance organization enabled by technology, we can:

- Better serve our internal and external customers
- Accelerate our business and performance goals
- Position Eaton for success



What have we been doing?

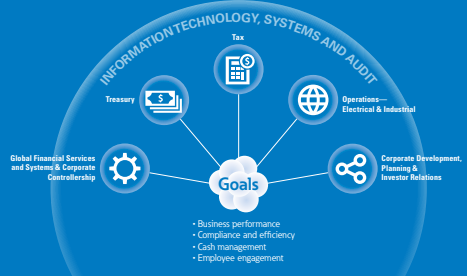
We are changing how we do business through modernized technology and standardized processes to help us do our jobs better.



EXAMPLES INCLUDE

- ★ Program Optimus
- 🏆 Establishing Tax centers of excellence
- 🤖 Robotic Process Automation (RPA)

How are these efforts tied together?



Why is this important to you?

- We will achieve **greater efficiency** through the use of robust applications and standardized processes
- Breaking down silos means **more opportunities** to collaborate and increased access to information and resources to do your job
- Eaton will be **better positioned** to lead the industry



What can you do to contribute?



Work together to identify solutions to problems.



Adopt a mindset of continuous improvement. If you have an idea to improve a process or drive innovation, bring it forward to your manager.



Embrace new technologies and approaches to work.



Stay engaged. Attend team meetings, watch for updates via email, visit JOE, empOWER, Yammer and team internet site.

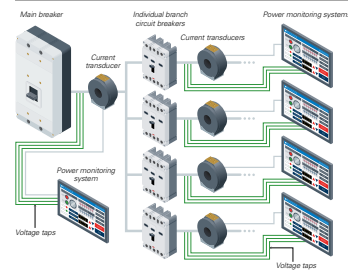


Learn more and visit [JOE Home > Functions and Purchasing > Finance](#)

INCREASE INTELLIGENCE REDUCE FOOTPRINT

IoT-enabled circuit breakers transform data center power distribution—saving space, time and energy costs

Anatomy of a traditional data center power distribution unit (PDU)



The challenge

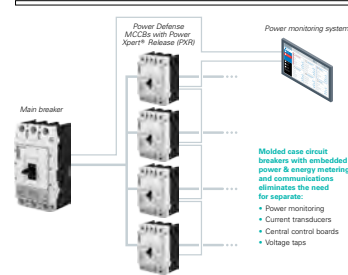
In order to monitor power, each PDU sub-feed circuit breaker requires three current transducers (CTs), and voltage taps wired to a central control board. Although CTs and voltage taps provide critical system data, they can increase:

- Enclosure footprint
- Commissioning time
- Manufacturing time
- Installation cost

A better approach

Intelligent molded case circuit breakers with power and energy meters built into their electronic trip units can be integrated into PDUs, enabling fewer components, a smaller footprint and a simpler design. Embedded communications within the circuit breaker enables powerful data-driven insights to keep critical data center power systems connected and users informed.

Anatomy of a modern data center PDU



The results

A simplified, more compact PDU that reduces components, eases installation and provides expansive electrical system intelligence to enable:

- Real-time metering and monitoring
- Additional insights into circuit breaker health
- Reduced equipment costs
- Easier testing
- Simplified wiring
- Availability of advanced safety features

Learn more at [Eaton.com/PowerDefense](#)



WHY CYBERSECURITY MATTERS FOR CONNECTED DEVICES

Protection starts with Power Defense circuit breakers



Connected devices and the vast amounts of data they generate continue to grow exponentially, with forecasts calling for **75.4 billion connected devices by 2025**. This growth is due in part to the immense value that is derived from insights using data and from more connected devices to improve energy management and safety protocols, all while lowering operating costs.



Cybersecurity risks are growing in prevalence and attack against businesses have nearly doubled in five years.



Due to increasingly commonplace cybersecurity threats, you need to be confident that your connected devices are secure and resilient.

THE RISK IS REAL

75.4 billion connected devices by 2025

Eaton's approach to cybersecurity

- Strict at each stage of the product development process
- An integral consideration as we develop products
- Proactive and enterprise-wide

Eaton's Secure Development Life Cycle (SDLC) process

We have strict protocols placed on the people, processes and technologies within our SDLC process, a program that integrates security protocols at every phase of product development.

- We view security as a continuous journey as product complexities, threat scenarios and technologies evolve
- Our approach is designed to safeguard products across the entire product development life cycle
- All products and solutions are evaluated by Eaton's Cybersecurity Center of Excellence

Power Defense

Power Defense™ circuit breakers, Power Xpert+ Release trip units and communication modules have all been developed within Eaton's Secure Development Life Cycle process.



Leading the charge in cybersecurity

We've carved a variety of firsts in cybersecurity for power management—providing you with confidence that your connected devices are secure.

- Eaton is the only company in the industry to have two labs approved to participate in the UL® Data Acceptance Program for cybersecurity
- These lab environments can test global products to aspects of the UL 2900-01 and 2900-2-2 standards



How can I help?

- Cybersecurity, even when designed into technology, is dependent on how the device is installed and integrated into a broader connected system, as threats continue to evolve
- How you apply Power Defense circuit breakers with Power Xpert+ Release trip units in these systems will directly impact cybersecurity in your application
- Sign up for notification of product cybersecurity updates via email or text alerts

To learn more, visit [Eaton.com/powerdefense](#)



client: Eaton
project: Infographics

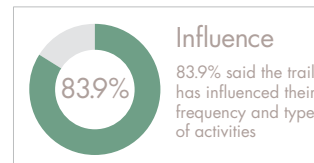
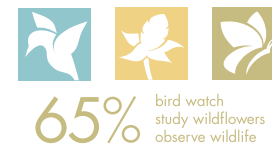


Highlights from the Three Rivers Heritage Trail 2014 User Survey and Economic Impact Report

Friends of the Riverfront is responsible for development and maintenance of the 24-mile Three Rivers Heritage Trail. Volunteers assist Friends of the Riverfront in its stewardship efforts. In 2014, 1,702 volunteers contributed 5,326 hours of service to Friends of the Riverfront at 50 Three Rivers Heritage Trail events. For more information, visit friendsoftheriverfront.org.

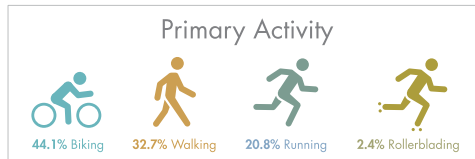
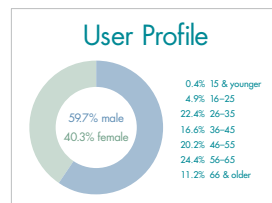
\$8.3 million

estimated total annual economic impact



822,873

Three Rivers Heritage Trail Visits Annually



©Friends of the Riverfront



Rails-to-Trails Conservancy conducted the User Survey and Economic Impact Analysis. The report was developed with assistance from the Pennsylvania Department of Conservation and Natural Resources, Bureau of Recreation and Conservation, Community and Conservation Partnership Program. The report was released March 27, 2015.

IMPACT FISCAL YEAR 2016

Innovation Commercialization

314 Invention disclosures



121 Licenses/options



80 U.S. patents issued



6 Number of UPMC alliance agreements

\$7.3 Million Revenue

25 Total number of startups formed

13 Startups formed (Pitt-licensed)

12 Startups formed (student-run)



\$965,000,000 Total third-party investment in PITT startups*

* (cumulative since 1997)

128 Startups since inception

248 Number of other agreements

Regional Economic Development | Institute for Entrepreneurial Excellence



919 Businesses served



73 New companies formed or purchased



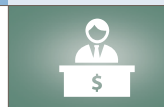
9,582 Hours of business consulting



913 Jobs created or retained



\$28,499,789 Sales increase



\$12,135,718 Amount of financing and equity secured



\$1,297,703 Total support from foundations, sponsors, grants & donors



2,691 Number of people who have participated in IEE programs

199 Members of IEE

50 People in Entrepreneurial Fellows Class

160 Community Power to Prosper participants

52 Interns placed in IEE companies

IMPACT



\$3,652,712 Total amount of pre-commercialization gap funding deployed



950 PITT inventors served



1,941 PITT innovators served

Student Entrepreneurship



1,041 Students participating in programs & competitions



37 Students in the Living Learning Community



75 Student teams in Randall Family Big Idea Competition



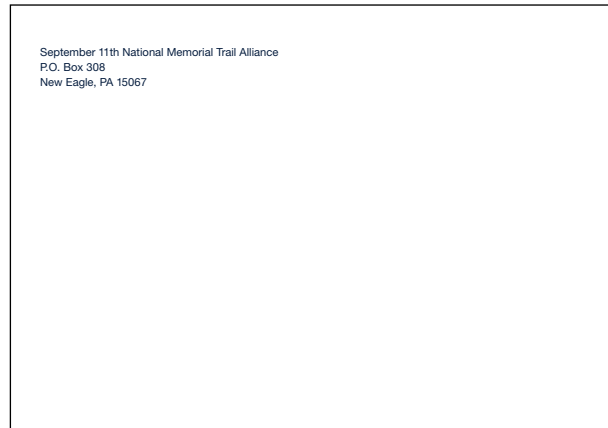
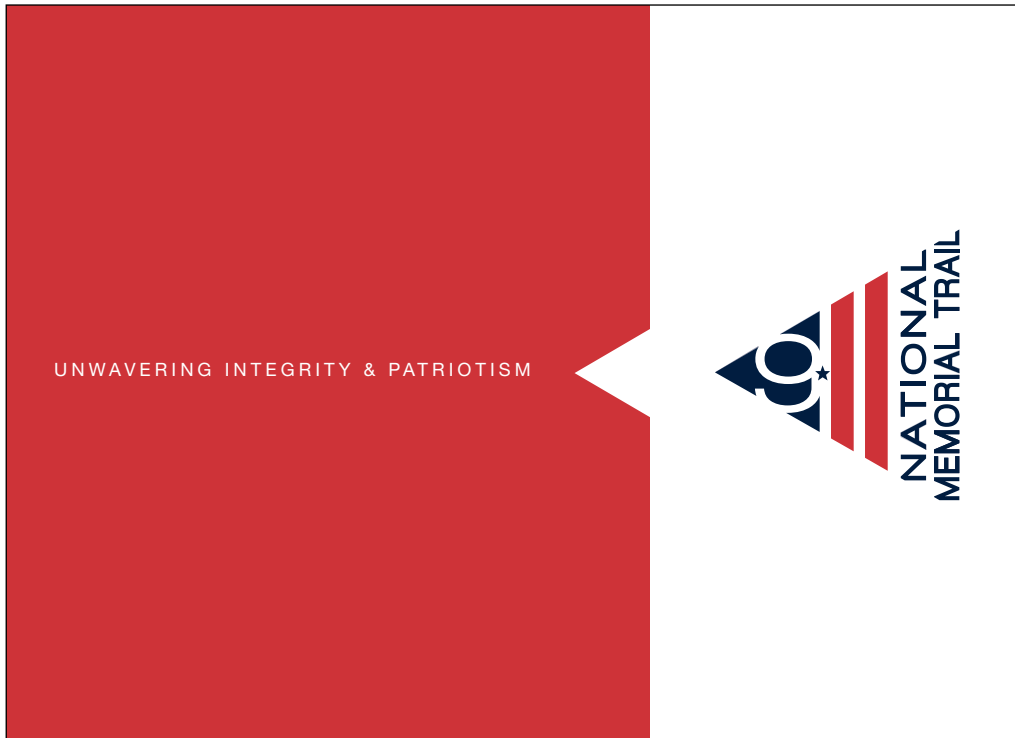
40 Student teams in Blast Furnace



33% Percentage of student companies who enter local accelerators or receive funding



Invitations, Note Cards, Stationery, and Direct Mail



client: 911 National Memorial Trail
project: Note Cards and Envelopes

SEPTEMBER 11th
NATIONAL MEMORIAL
TRAIL ALLIANCE
P.O. Box 308
New Eagle, PA 15067

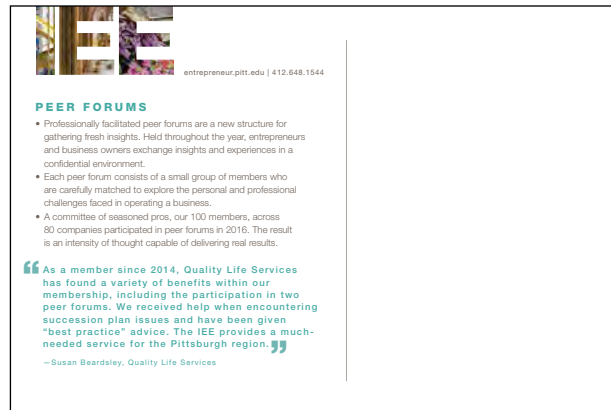
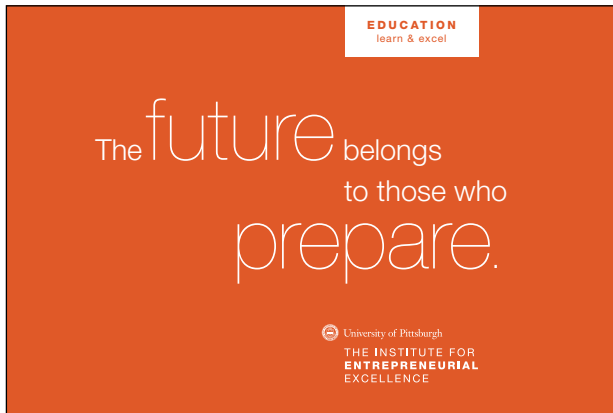


CONNECTING
THE TRAILS
THAT CONNECT
US ALL



SEPTEMBER 11th
NATIONAL MEMORIAL
TRAIL ALLIANCE
P.O. Box 308
New Eagle, PA 15067
412-559-0806
911Trail.org

client: 911 National Memorial Trail
project: Stationery



client: University of Pittsburgh, Institute for Entrepreneurial Excellence
 project: Incentive Postcard Series



Logos, Graphic Standards, and Branding



— EST. 1944 —



client: The Craftsmen's Guild of Pittsburgh
project: Logo Design | Alternate Concepts



Pittsburgh CREATES

Innovation in Surgery

A UNIVERSITY OF PITTSBURGH INITIATIVE

Pittsburgh
CREATES

Innovation in Surgery

A UNIVERSITY OF PITTSBURGH INITIATIVE

FONTS

Logo:

Body Copy (print):

Body Copy (web):

Century Gothic Regular and Bold

Century Gothic Regular and Bold

Arial Regular and Bold

COLOR PALETTE



PMS 5767

CMYK 47 • 33 • 82 • 9

RGB 138 • 140 • 73



PMS 549

CMYK 61 • 24 • 21 • 0

RGB 104 • 162 • 184



PMS 424

CMYK 58 • 47 • 48 • 14

RGB 112 • 114 • 114



client: University of Pittsburgh, Pittsburgh CREATES Innovation in Surgery

project: Logo Refresh and Graphic Standards



The University of Pittsburgh
COMMUNITY ENGAGEMENT CENTERS



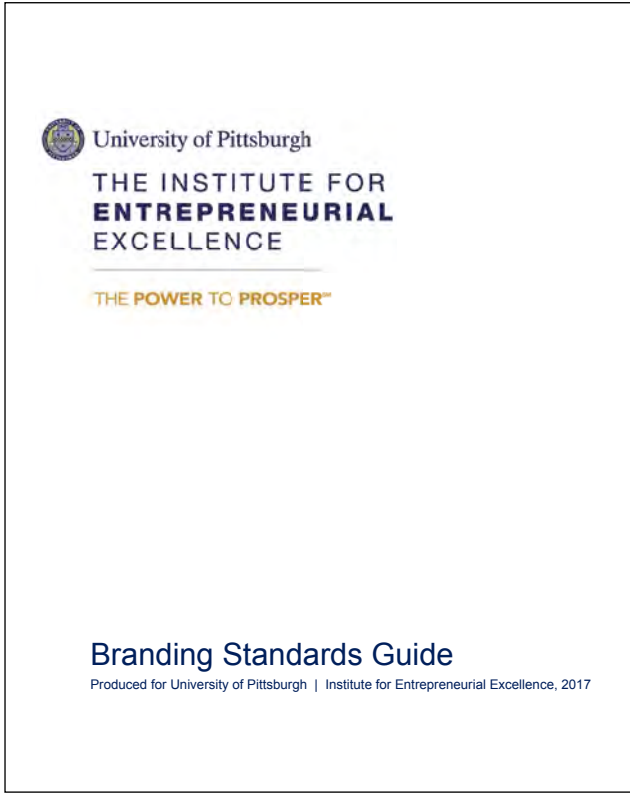
COMMUNITY ENGAGEMENT CENTERS
of the University of Pittsburgh



COMMUNITY ENGAGEMENT CENTERS
of the University of Pittsburgh



COMMUNITY ENGAGEMENT CENTERS
of the University of Pittsburgh



Branding Standards Guide

Produced for University of Pittsburgh | Institute for Entrepreneurial Excellence, 2017

IEE Color Palette

Pantone
Blue = PMS 281
Gold = PMS 4515

CMYK Conversion
Blue = 100, 91m, 32y and 34k
Gold = 30, 31m, 69y and 2k

RGB Conversion
Blue = 11133
Gold = 204204153

Hexadecimal (HEX) Conversion
Blue = 192857
Gold = ccb87d

Black Only
You *must* use the official all-black version of the approved logo.
No substitutions. (See page 3 of this document.)

2 Branding Standards Guide | University of Pittsburgh | Institute for Entrepreneurial Excellence

IEE Logo

The Logo

Below are the three acceptable versions of the IEE logo.

University of Pittsburgh
THE INSTITUTE FOR
ENTREPRENEURIAL
EXCELLENCE
THE POWER TO PROSPER™

Full Color

University of Pittsburgh
THE INSTITUTE FOR
ENTREPRENEURIAL
EXCELLENCE
THE POWER TO PROSPER™

Black

University of Pittsburgh
THE INSTITUTE FOR
ENTREPRENEURIAL
EXCELLENCE
THE POWER TO PROSPER™

Reversed

3 Branding Standards Guide | University of Pittsburgh | Institute for Entrepreneurial Excellence

Typography

Type Families

When designing marketing materials for IEE, stay within the **sans serif** (without serif) font families (Arial, Myriad, and Calibri) listed below—for web, print, or PowerPoint. The **serif** font (Times New Roman) should be used primarily for PowerPoint, as an accent font.

Arial
AaBbCc
primary sans serif font for headers, subheaders, body copy, bullets, small type, and signage

Myriad
AaBbCc
secondary sans serif font for headers, subheaders, body copy, bullets, small type, and signage

Calibri
AaBbCc
can serif font for small closing signatures

Times New Roman
AaBbCc
serif for occasional headers or accent font, for printed materials and PowerPoint slides

4 Branding Standards Guide | University of Pittsburgh | Institute for Entrepreneurial Excellence

Ads

When designing an ad for IEE, all photographic images should be approved or provided by the IEE marketing department. Arial is the acceptable font family. Arial is available on all Mac and PC computers. (See page 8 of this document.)

Sample Ad Design

All guidelines:
- Large image
- Short headline
- Brief body copy
- Maintain proper framing around the logo

Headline Copy Here

Half Point Black Holding Rule

Arial

5 Branding Standards Guide | University of Pittsburgh | Institute for Entrepreneurial Excellence

Business Cards

SBCD consultants will use the following business card example.

University of Pittsburgh
Institute for Entrepreneurial Excellence
Small Business Development Center
New Name
3520 Forbes Avenue | Pittsburgh, PA 15261
412.624.5435 | innovation@pitt.edu

All others will follow the same format, but will not include the text "Small Business Development Center" or the "SBCD" after the person's title.

This may either be removed completely, or replaced with respective center.

6 Branding Standards Guide | University of Pittsburgh | Institute for Entrepreneurial Excellence

Email Signatures

When closing all emails, please use the following format on all electronic devices, including mobile phones:

RACHEL LAMARCO ----- 13 pt Calibri Bold, All Caps
Marketing Coordinator ----- 12 pt Calibri Italic, Initial Caps

14 pt leading

THE INSTITUTE FOR ENTREPRENEURIAL EXCELLENCE ----- 12 pt Calibri Bold, All Caps
Innovation Institute | University of Pittsburgh ----- 12 pt Calibri Bold, Initial
Celebrating Over 20 Years of Regional Economic Development
3520 Forbes Avenue | Pittsburgh, PA 15261 ----- 11 pt Calibri Light, Initial
412.624.5435 | innovation@pitt.edu ----- 11 pt Calibri Light, Initial

Find us: Website | Facebook | Twitter

8 pt Calibri Light, 10 pt leading

NOTE: for SBCD consultants, please add the following after your title, in italics:
", University of Pittsburgh SBCD" ----- 12 pt Calibri Bold Italic, Initial Caps
(include the comma after your title)

10 Branding Standards Guide | University of Pittsburgh | Institute for Entrepreneurial Excellence

client: University of Pittsburgh, Institute for Entrepreneurial Excellence
project: Brand Standards Guide



Newsletters and Publications

c3controls® connectivity



motor controls—
peace-of-mind for
the control freak

Understanding that the cost of motor failures can easily run into the thousands, savvy engineers are relying on a new generation of motor control devices to minimize this risk. Motor controls, available in a variety of assemblies, have proven themselves to be an essential component—reducing cost, improving performance and enhancing safety. With features that deliver value throughout a machine's life-cycle, motor controls are impacting Total Cost of Ownership (TCO) in a growing range of applications. In this issue of connectivity, we cover the basics and provide insight into ways motor controls are being utilized to gain an advantage.

977610000/9778066# 0704 JUL07 1001
WICK ZOLTUN
ZOLTUN DESIGN INC.
APT. 100
10 BEDFORD SQ.
PITTSBURGH, PA 15203-1148



More than
creating value—
it's a commitment
to changing
expectations.
p2



Keeping
everything
under control with
the right controls.
p6



Insights to do
the minute's work
with Joe Fawcett,
Editor in Chief
of Connectivity.
p5

Deliver like no other.

More than creating value
—it's a commitment to
changing expectations.

Joe Fawcett, Editor in Chief, Connectivity
Joe Fawcett is the Editor in Chief of Connectivity, a leading industry publication. He has over 20 years of experience in the industry and is a frequent speaker at industry events. He is also a member of the IEEE and the IEC.

Leading the Industry
Joe Fawcett is a leading industry expert and has been instrumental in the development of many industry standards. He is also a frequent speaker at industry events and is a member of the IEEE and the IEC.

the big picture

At c3controls, we don't
build the machines—
we make them a better solution.

connectivity quick connect

RoHS
RoHS is a European Union directive that restricts and prohibits the use of certain hazardous substances in electrical and electronic equipment. It is a key part of the EU's strategy to reduce the environmental impact of electronic products.

Energy Star
Energy Star is a program of the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy. It is a voluntary program that encourages energy efficiency in buildings, homes, and businesses.

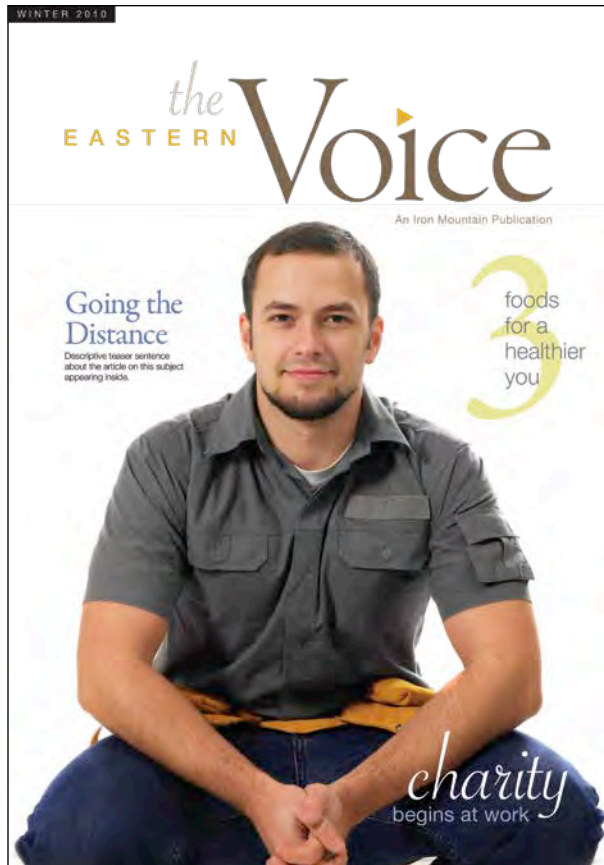
Are you a control freak?
Take the quiz and see if you're on the ultimate control freak video.

Living by the golden rule...

S... the golden rule is to treat others as you would like to be treated. This is a simple yet powerful principle that can guide us in all aspects of our lives.

connectivity insight

control design
Control design is the process of creating a control system that will perform a specific task. It is a complex and challenging task that requires a deep understanding of the system and the control theory.



(chosen)

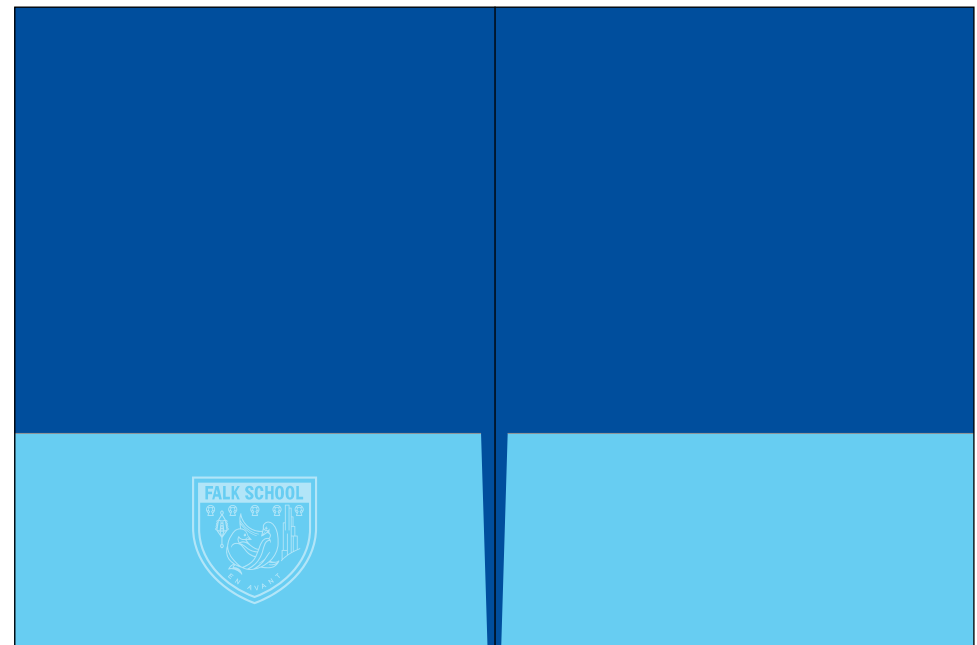
client: Iron Mountain
project: The Eastern Voice Newsletter Cover Prototypes

client: Iron Mountain
project: Monthly Newsletter, First Edition

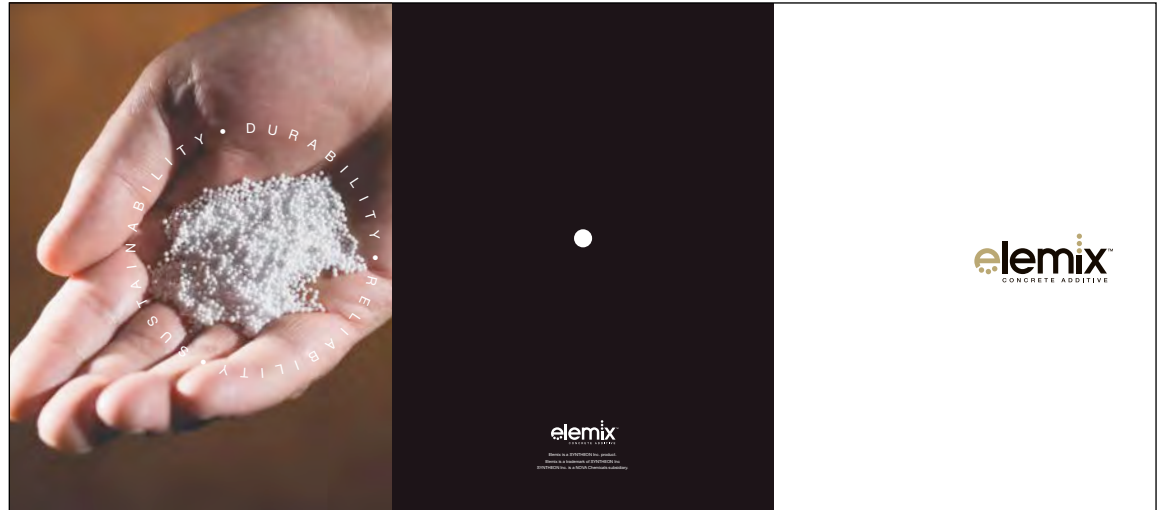
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Packaging and Special Projects



client: University of Pittsburgh, Falk School
project: Pocket Folder




client: NOVA Chemicals

project: Elemix Promotional Product Folder, Marketing Brochure, and Product Sample Inserts



Posters, Flyers, and Handouts



Research Study

Pain in the Brain

Researchers at the University of Pittsburgh are seeking young adults to participate in a study to learn about how physical pain and emotional pain might be related in the brain. Findings from this study will help us understand why some people hurt themselves on purpose.

Eligibility: Young Adults Ages 18–24.


We are recruiting:

- Individuals who recently had suicidal thoughts and injured themselves on purpose (such as cutting themselves).
- Individuals who recently had suicidal thoughts only and never injured themselves on purpose.
- Individuals who have never hurt themselves on purpose, never had suicidal thoughts, and have no history of psychiatric disorders.

Participants will:

- Be asked to complete online interviews about their thoughts, feelings, and behaviors.
- Complete an fMRI scan at UPMC Presbyterian Hospital while listening to positive and negative statements a friend has said about them (approximately 1 hour).
- Sometimes experience brief painful sensations on their finger during the scan.
- Complete 4 brief monthly phone check-ins.
- Be compensated up to \$170 for their time.

Please contact the Pain in the Brain Study at PIB@pitt.edu.




University of
Pittsburgh

client: University of Pittsburgh

project: Pain in the Brain Research Study Flyer

Operational Posture	STUDENTS	FACULTY AND STAFF
GUARDED RISK Meets Minimum Standards of PA Green	<ul style="list-style-type: none"> • Most instruction is in person, except large lectures • Housing open with virus mitigation and isolation interventions in place • Shared spaces open • Gatherings capped at 250 people 	<ul style="list-style-type: none"> • Work from home encouraged wherever possible • Those who need to support permitted activities allowed on campus • Research staff on campus based on Principal Investigator determination
• Most activities are in person, with virtual options and limited restriction		
ELEVATED RISK Meets Minimum Standards of PA Yellow	<ul style="list-style-type: none"> • Instruction primarily virtual; some in-person learning occurring • Housing open with virus mitigation and isolation interventions in place • Some shared spaces open • Gatherings capped at 25 people 	<ul style="list-style-type: none"> • Work from home encouraged wherever possible • Those who need to support permitted activities allowed on campus • Virtual work encouraged for research personnel; some permitted on campus
• Some activities are in person, but most are virtual		
HIGH RISK Meets Minimum Standards of PA Red	<ul style="list-style-type: none"> • Instruction nearly all virtual, except select clinicals and labs • Housing open with virus mitigation and isolation interventions in place • Shared spaces open only to support on-campus students and staff • Campus life activities not permitted 	<ul style="list-style-type: none"> • Work from home encouraged wherever possible • Those who need to support permitted activities allowed on campus • Research as permitted by senior leadership
• Pitt is open, but activities are heavily restricted		



Face coverings required on campus. Physical distancing is necessary, with a minimum of six feet between you and others when possible.

"I'm doing my part to keep the Pitt community safe."

coronavirus.pitt.edu



JDP

Employment Screening & Background Check Services

PROTECTING OUR YOUTH

JDP COMPARISON SHEET

The More You Know, The More You Can Be Sure

With any situation, having the full picture reduces your risk of error and eliminates the need for multiple interpretations. JDP can provide traditional background screenings, or dive even deeper with our multi-level cognitive screening.




Screening Type	Components
TRADITIONAL SCREENING	<ul style="list-style-type: none"> Social Security Number Address History National Criminal Search Sex Offender Registry County Criminal Search
COGNITIVE SCREENING	<ul style="list-style-type: none"> Social Security Number Address History National Criminal Search Sex Offender Registry County Criminal Search Non-Registered Database Facial Recognition Data Lineage State Nomenclature Name Change/Developed Names

JDP

PROTECTING OUR YOUTH

USE CASE

Non-Registered Database



What is a Non-Registered Database (NRD)?

In the world of background checks, JDP is leading the way at finding non-registered data (NRD) related to individuals who have been accused or convicted of crimes that are not reported in traditional county, federal, and national SOR databases. The data found in NRD can reveal content on the status of undetected cases—sometimes tied up in trial or other kinds of red tape, as well as those being appealed and “not guilty” verdicts.

Why are NRDs Critical Resources?

Because NRD reveals this additional information, background checks that utilize NRD give organizations peace-of-mind that adults who want to coach, volunteer, supervise or teach children have the character to do so.

The value of NRD is exemplified by the fact that in many instances individuals accused or convicted of crimes show up “clean” in conventional databases.

JDP

PROTECTING OUR YOUTH

USE CASE

Name Change I.D.

What's in a Name? JDP Knows

The Situation

People change their names because they dislike their given name, want a more or less “ethnic” name, or want to acknowledge a religious conversion or a change of gender or sex. Bruce Jenner becoming Caitlyn Jenner is a famous recent example.

It's illegal to change one's name for fraudulent or deceptive purposes. JDP can detect those dishonest acts and protect organizations from experiencing financial or reputational harm.

How JDP Can Help

Using proprietary software, we have created a System of Record database that keeps track of name changes filed at the thousands of courthouses throughout the United States. The software flags name changes that may be relevant to the background check we're conducting.

We then investigate until we're 100% certain that the person who established a dual identity to avoid criminal prosecution or exclusion from employment or volunteer opportunities is the individual in question.

Lastly, we share those findings with the client.

JDP

PROTECTING OUR YOUTH

We have a mission to END ABUSE

JDP sets an entirely new standard for SOR protection



Standard Search

- Monthly or quarterly monitoring
- Never enough – use cognitive to continuously learn/improve to protect children

Close Other Loopholes

- How do we fill in other loopholes?
- How do we compensate for lack of standardization and state/jurisdiction differences?
- How do we protect against name changes, alias, etc.?

Additional Data

- How do we fill in known holes in traditional searches?
- How do we ensure to incorporate additional data (lists, web, etc.)?

Facial Recognition

- How do we further enhance matching to ID the right person?
- How do we catch fake IDs and false photos?
- How do we further authenticate a person?

JDP

Call us at (724) 799-8765 or visit us at JDP.com for more information.

PROTECTING OUR YOUTH

MOBILE APP

Facial Recognition Mobile App

The app is available to iPhone and Android users through both the Apple and Google Play stores.

How does it work?

- Simply download the app.
- Click on the app and a viewfinder will appear.
- Center the ID within the viewfinder brackets. When the viewfinder turns green, take the photo.
- The app will then use the photo, additional information, and the following data:
 - Name
 - Address
 - Male or Female
- The database will produce results to indicate either **CLEAR** or **REPORTED OFFENSE**.
- A report is generated.

JDP

Call us at (724) 799-8765 or visit us at JDP.com for more information.

PROTECTING OUR YOUTH

STATISTICAL RESEARCH

Here are the Facts

United States Olympic and Paralympic Committee Breakdown

of all 53 male

90%

using one traditional background checks

they pay an average per screening cost of

\$25 **\$30**

30% individual and pay 70% organizational pay

JDP Cognitive Background Screening can increase due diligence by

70%

compared to traditional screening, and help combat the alarming number of childhood abuse cases that occur.

JDP

Call us at (724) 799-8765 or visit us at JDP.com for more information.

client: JDP

project: Mission to End Abuse Pocket Folder and Inserts



Behavioral Health & Disability
CLIENT SYMPOSIUM

Collaborating for Solutions

October 2–3, 2019 | New York, NY

welcome



Thank you for joining us. We are pleased to bring this collaborative symposium to the market, and we hope the information you gain from our speakers and from each other will

agenda

New York Hilton Midtown
(Between East & West)

Wednesday, October 2, 2019	Thursday, October 3, 2019
1:00-2:00 PM Registration	7:30-8:30 AM Breakfast
2:00-2:30 PM Introduction/Keynote Speaker Creating a supportive culture: How to create cultures that provide structure, purpose, and value; organizations that do things right; and how to do them. Keynote Speaker: Dr. Shelley Reciniello, President/CEO, Behavioral Health & Disability	8:30-9:15 AM Plenary: Stress, Productivity Cost, and Employee Solutions Stress is a leading cause of disability and absenteeism. • How to measure stress and its impact on productivity • How to manage stress and its impact on productivity
2:30-3:45 PM Behavioral Health Impact on Stress, Disability, and Absenteeism • How to measure stress and its impact on productivity • How to manage stress and its impact on productivity • How to measure stress and its impact on productivity • How to manage stress and its impact on productivity	9:30-11:00 AM Break
3:45-4:00 PM Networking	11:00-11:15 AM Break
4:00-5:30 PM Changing Corporate Culture • How to measure stress and its impact on productivity • How to manage stress and its impact on productivity • How to measure stress and its impact on productivity • How to manage stress and its impact on productivity	11:15-12:00 PM Plenary: Stress, Productivity Cost, and Employee Solutions Stress is a leading cause of disability and absenteeism. • How to measure stress and its impact on productivity • How to manage stress and its impact on productivity
6:30-9:00 PM Reception and Dinner	12:00-1:30 PM Networking Lunch or Registration

speakers



Keynote Speaker
Dr. Shelley Reciniello
Chief Psychologist, Executive Coach, Author, and Leadership Consultant
Dr. Shelley Reciniello has spent the last 25 years as a "personality expert" in the workplace. She has been a speaker at numerous conferences and has been a guest on various radio and television programs. She has also been a guest on the popular radio program "The Dr. Reciniello Show" and has been a guest on the popular television program "The Dr. Reciniello Show".

Peter Bridges
Chief Commercial Officer
Singer
Peter is the Chief Commercial Officer at Singer, the world's leading provider of behavioral health care systems. Peter is responsible for Singer's growth and success in the United States and internationally through its various behavioral health, mental health, and substance use services. Peter is also responsible for Singer's growth and success in the United States and internationally through its various behavioral health, mental health, and substance use services.

Scott Daniels, JD
Senior Director of Disability
Comcast
Scott is the Senior Director of Disability at Comcast, where he oversees disability and absence management programs, and collaborates with the various business units to ensure that Comcast is a leading employer of people with disabilities. Scott is also responsible for Comcast's growth and success in the United States and internationally through its various behavioral health, mental health, and substance use services.

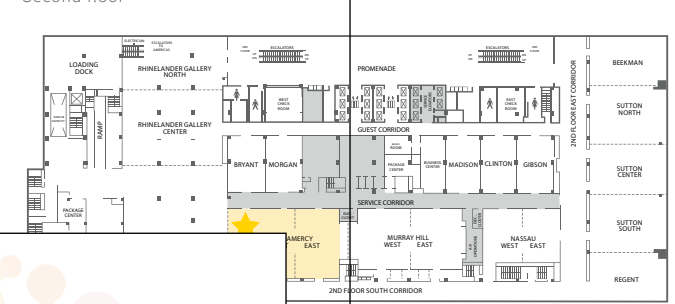
Tamaine El-Amin
Assistant Vice President for Strategic Partnerships
National Council for Behavioral Health
Tamaine El-Amin is the Assistant Vice President for Strategic Partnerships at the National Council for Behavioral Health. She is responsible for the development and implementation of the organization's strategic partnerships with various stakeholders, including government agencies, academic institutions, and the private sector. She is also responsible for the organization's growth and success in the United States and internationally through its various behavioral health, mental health, and substance use services.

Mark Linder, PhD, DABCC, FAAC
Medical Director, Clinical Pharmacogenetics Laboratory
Principal Medicine
Dr. Mark Linder has over 20 years of experience in the field of pharmacogenetics. He is the Medical Director of the Clinical Pharmacogenetics Laboratory at the University of Maryland Medical System. He is also the Medical Director of the Clinical Pharmacogenetics Laboratory at the University of Maryland Medical System. He is also the Medical Director of the Clinical Pharmacogenetics Laboratory at the University of Maryland Medical System.

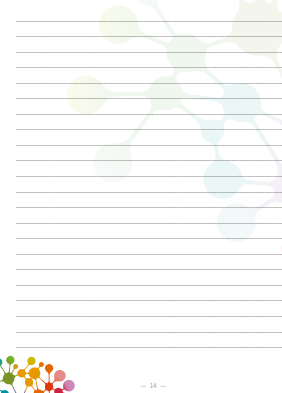
Jonathan Maceda
Director of Customer Success
WHI
Jonathan Maceda is the Director of Customer Success at WHI. He is responsible for the development and implementation of the organization's customer success programs, including the development and implementation of the organization's customer success programs, including the development and implementation of the organization's customer success programs.

hotel map

Second floor



notes



client: American Benefits Consulting
project: Collaborating for Solutions Symposium Event Brochure



Data Science R&D

R&D statistician can:

- Contribute to study design.
- Perform statistical analysis.
- Assist with interpretation of results.
- Aid in writing abstracts or manuscript statistical methods and results sections.
- Edit manuscripts for academic publication.
- Provide support during the manuscript review process.

Please allow a **MINIMUM** of 2 weeks for analysis.

Request form:
<https://rebrand.ly/HighmarkHealthBiostats>

Document submissions and questions:
AHNBiostats@highmarkhealth.org

HIGHMARK
HEALTH

Need Statistics
STAT?

We can help!

Data Science R&D

R&D statistician can:

- Contribute to study design.
- Perform statistical analysis.
- Assist with interpretation of results.
- Aid in writing abstracts or manuscript statistical methods and results sections.
- Edit manuscripts for academic publication.
- Provide support during the manuscript review process.

Please allow a **MINIMUM** of 2 weeks for analysis.

Request form:
<https://rebrand.ly/HighmarkHealthBiostats>

Document submissions and questions:
AHNBiostats@highmarkhealth.org

HIGHMARK
HEALTH

client: Highmark Health
project: Need Statistics STAT? Postcard and Poster

INDUSTRY

INNOVATORS

CLINICIANS

Who is Pittsburgh CREATES?

Pittsburgh CREATES is an industry-facing innovation center for medical and surgical technologies.

Pittsburgh CREATES
 Innovation in Surgery
A UNIVERSITY OF PITTSBURGH INITIATIVE

We provide the infrastructure and resources for industry to build, validate and market the next generation of medical technologies. Drawing on world-renowned expertise in robotics, advanced surgical techniques, and healthcare, CREATES brings together physicians and leadership from UPMC, engineers from the University of Pittsburgh and resources from across the region to support a vibrant ecosystem for continuous and collaborative innovation in the medical and surgical device industry.

Strategically located in the Oakland Innovation District, our well-equipped facility is close to multiple UPMC hospitals, universities and other innovation-centric activities. CREATES functions as a state-of-the-art development hub where emerging and established companies can collaborate to bring disruptive medical innovations to market by tapping into our growing network of partners across the healthcare innovation continuum.

What we offer

Our comprehensive approach to surgical innovation results in value to multiple stakeholder groups along the product development lifecycle.

Industry

- State-of-the-art infrastructure for product innovation, research and training
- Access to a growing network of clinical and technical subject matter experts across the healthcare innovation continuum
- Visibility into a growing pipeline of intellectual property for your longer-term product roadmap
- "Voice of customer" feedback from multiple stakeholders to ensure the most effective product launch

Innovators

- Clinical and technical insight to further your product development goals
- Opportunity to partner with medical and surgical device industry leaders
- Access to a network of clinical and academic collaborators for R&D and new IP development

Clinicians

- Advanced training facilities integrated within a hospital campus
- Fully customized training curricula developed by leading surgeons and thought leaders based on evolving surgical methodology and best practices
- Opportunity to network and collaborate with peers and influence the future of healthcare

"My team and I have found the access to top surgical talent, both doctors and nurses, together with an industry-friendly attitude, invaluable for advanced product testing as well as for training of surgeons from around the world."

—Samuel Straface, PhD, President & CEO, Medrobotics

Why us?

The Oakland Innovation District is home to the University of Pittsburgh, Carnegie Mellon University and several thriving healthcare businesses. Our central location in the heart of Oakland along with our ties to the regional innovation ecosystem enables easy access to expertise and opens the door to collaboration opportunities among industry, innovators and clinicians.

Our team, made up of individuals at the forefront of surgical practice and innovation, will work directly with you to develop disruptive and sustainable solutions in the surgical domain.

We recognize that your product development needs are evolving to meet market demand. We offer flexible engagement models that best suit your business and stage of life.

Contact us to learn more.

Pittsburgh CREATES
 Innovation in Surgery
A UNIVERSITY OF PITTSBURGH INITIATIVE

203 Lothrop Street, Suite 500
 Pittsburgh, PA 15213
 412.647.2117
 email: PGHCREATES@pitt.edu
 web: pittsburghcreates.pitt.edu
 twitter: [@pghcreates](https://twitter.com/pghcreates)

INDUSTRY

INNOVATORS

CLINICIANS

client: University of Pittsburgh, Pittsburgh CREATES Innovation in Surgery
 project: Who is Pittsburgh CREATES? Handout



PantherlabWorks is the premier resource for innovative companies in Western Pennsylvania, looking to bring new technologies, services and products into the marketplace.

In order to successfully launch, business owners need to understand the dynamics of the new marketplace, develop an effective go-to-market strategy, engage potential customers, and prepare to pursue outside investment. PantherlabWorks provides expert consulting services, cutting-edge educational workshops, and a network of industry experts to support the growth and success of our clients.

Whether you are looking to sell your handmade goods or launch a new software package, PantherlabWorks is here to help you every step of the way.



"The IEE has opened doors by locating funding and by helping with successful proposals that created business opportunities for PixController. As a result, our company has received over \$180K from grant funding and innovation business competitions since 2015."

—Bill Powers, Owner



Consulting Services

BUSINESS PLANNING

- Identify grant opportunities
- Evaluate business plans
- Evaluate grant proposals
- Assist with budgeting and financials
- Outline a fundraising campaign or pitch deck

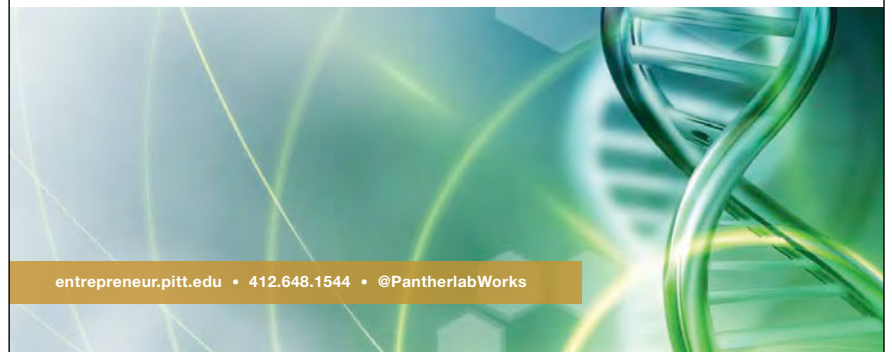
COMMERCIALIZATION

- Assist in developing a product launch plan or go-to-market strategy
- Facilitate connections to manufacturers and vendors
- Develop user feedback surveys
- Analysis of marketing material (digital and print)
- Feedback on table, booth and store displays

DEVELOPMENT

- Determine prototype to product pathway
- Define a minimally viable product
- Identify sources for prototyping, manufacturing and necessary product testing
- Identify optimal materials and processes
- Explore pricing strategies
- Market and competitor analysis
- Assist with technical requirements, documents and technical specifications

We gratefully acknowledge the support of our sponsors:
Community Bank
KPMG
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entrepreneur.pitt.edu • 412.648.1544 • @PantherlabWorks



Laboratory Solutions and Reagents for Method Chemistry and Production

Major Products/Services

LabChem offers an extensive line of standard solutions and reagents applicable to APHA, ASTM, EPA, AWWA, TAPP and USP methods. We produce custom solutions to meet packaging, size, formulation, sterilization and labeling requirements and requests. All applicable solutions are NIST traceable and certified.

Markets Served

Environmental
Materials Testing
Metal Finishing and Plating
Industrial and Municipal Water/Wastewater
Food Research and Processing
Electronic, Battery and Circuit
Chemical Research and Production
Agriculture
University
Petrochemical

Company Description

LabChem has been manufacturing quality laboratory solutions since 1956. Focusing on the customer's requirements and utilizing quality raw materials, our goal is to provide the products that get the job done. To accomplish this goal, we provide an extensive range of reagents and solutions for use in standard methods. LabChem also excels in producing custom chemical mixtures.

Working to meet the exact specifications of our customers provides individual value, and is why we stand ready to lend our expertise to meet and exceed each customer's specific needs.

LabChem is an ISO Certified Chemical Manufacturer

For more information, contact us at:
412.826.5230 or visit www.LabChem.com



We pride ourselves on flexibility and problem solving. This has led us successfully from trial to production and benchtop to shop floor.



Chemical Solutions for Plating and Metal Finishing

Precision, Quality & Experience

Market-Leading Delivery

LabChem manufactures over 2000 individual catalog chemical solutions utilized by precision analytical laboratories across North America. Our experience can benefit your metal finishing, circuit and plating applications. LabChem produces a wide range of titrants, pH adjusters, indicators and standards to enable accurate maintenance of bath solutions, as well as adding precision to production applications.

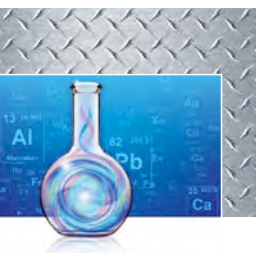
Custom Manufacturing Capability

Have a custom job?

Don't like your current options?

LabChem has the capability to produce the chemical solution that will work best for your specific situation. Beyond bath analysis and into dye treatments and etchants, we have produced custom solutions and custom packaging to improve life for individual customers. Need a bigger container? Need a smaller container? Our custom item processes are controlled by degreed chemists. Time from consult to delivery is the quickest in our industry.

For more information, contact us at:
412.826.5230 or visit www.LabChem.com



LabChem is an ISO Certified Chemical Manufacturer



Chemical Solutions for Water and Wastewater Analysis

Quality & Experience

Market Leaders

LabChem manufactures over 2000 catalog chemical solutions utilized by professional water and wastewater operators across North America. Included among these products are reagents necessary to run ASTM and APHA methods for the testing and analysis of water.

Biological Oxygen Demand (BOD)

Check Standard Pioneers Glucose-Glutamic Acid

LabChem developed and introduced single use vials to the market. When methods absolutely cannot tolerate contamination, do not take the chance of using a pipette. All lots are independently tested. No dilution factors or broken glass.

Custom Manufacturing Capability

Have a custom job?

Facing unusual circumstances?

LabChem has the capability to produce the chemical solution that will work best for your specific situation. Need a bigger container? Need a smaller container? Our custom item processes are controlled by degreed chemists. Time from consult to delivery is the quickest in our industry.

For more information, contact us at:
412.826.5230 or visit www.LabChem.com



LabChem is an ISO Certified Chemical Manufacturer

client: LabChem
project: Product Sales Aid Sheets



Trade Show Displays, Exhibits, and Installations



client: 911 National Memorial Trail
project: Retractable Banner

INDUSTRY



INNOVATORS



CLINICIANS



A healthcare
innovation environment
like no other

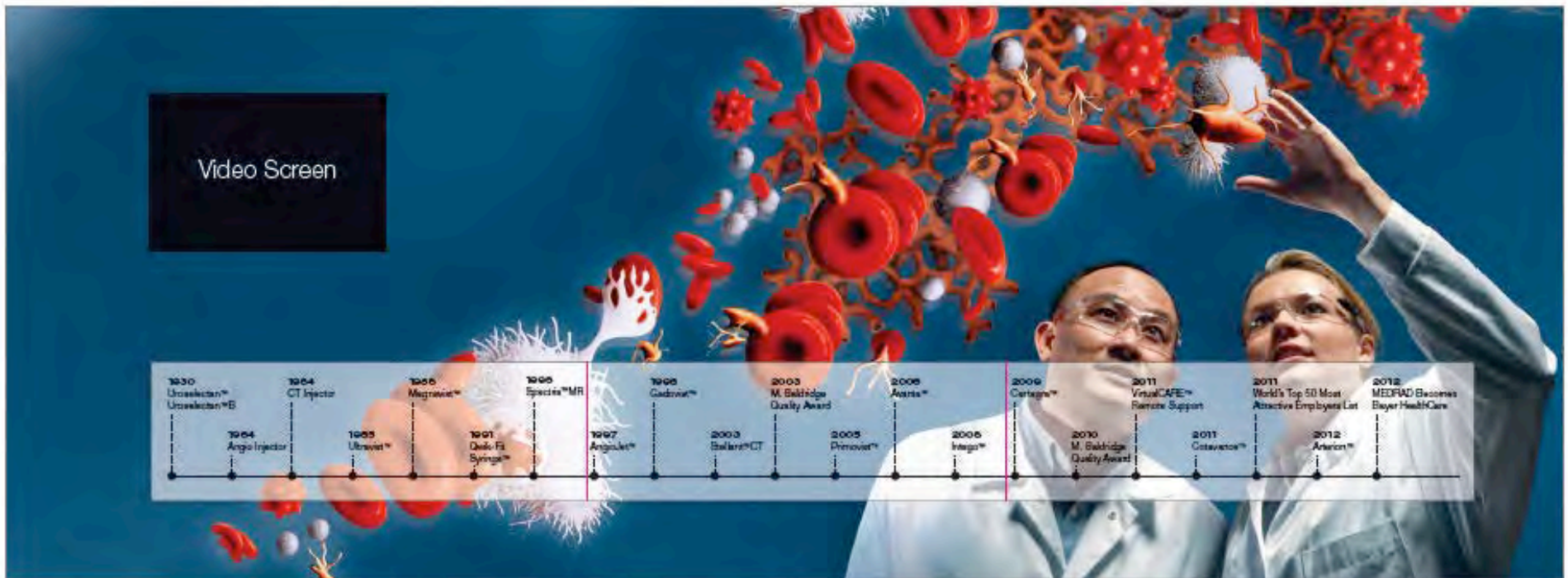
Pittsburgh
CREATES

Innovation in Surgery

A UNIVERSITY OF PITTSBURGH INITIATIVE

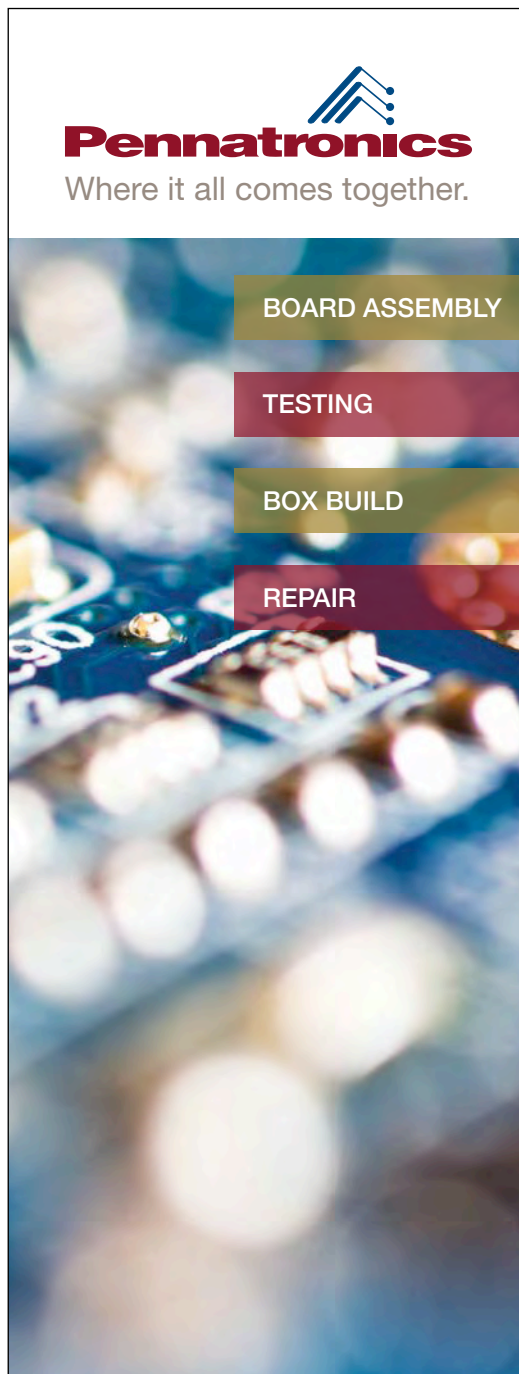
pittsburghcreates.pitt.edu

client: University of Pittsburgh, Pittsburgh CREATES Innovation in Surgery
project: Retractable Banner



client: Bayer

project: Timeline Wallpaper Design and Mural Graphics



client: Pennatronics
project: Trade Show Retractable Banners



Web:

Videos, Banners, Email Campaigns, Flipbooks



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FOR WHO YOU WILL BECOME.



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FOR WHO YOU WILL BECOME.



**The doer. The thinker.
The leader.**

[TAKE OUR QUIZ TO
FIND OUT WHO YOU ARE.](#)



SEWICKLEY
ACADEMY

FOR WHO YOU ARE.
FOR WHO YOU WILL BECOME.

client: Sewickley Academy

project: Web Ad Series | Low / Middle / Upper Grade Levels / Combination

[CLICK HERE TO VIEW THIS EMAIL IN FRENCH](#)

Who Should Receive the Wearable Cardioverter Defibrillator? Evidence and Risk Stratification for Prevention of Sudden Cardiac Death

EHRA 2019

LISBON/ PORTUGAL, 17–19 MARCH 2019

SATELLITE SYMPOSIUM

18 March 2019 • 12h45–13h45 • Damato Room

Lunch will be provided

[+](#) Add this event to your Outlook calendar

Chairpersons

Prof. Giovanni Luca Botto
ASST Rhodense, Milan/ Italy

Dr. Olivier Piot
Northern Cardiology Centre,
St. Denis/ France

Speakers

Dr. Sebastian Reif
Munich Clinic
Bogenhausen/ Germany

Prof. Joachim Ehrlich
St. Josefs-Hospital
Wiesbaden/ Germany

Prof. Daniel Scherr
Medical University
Graz/ Austria

Program overview

This program will focus on which patient should receive the Wearable Cardioverter Defibrillator (WCD) as well as on the evidence and risk stratification for the prevention of sudden cardiac death.

Presentations will include an overview of the most important WCD data including the first randomized device trial, VEST, as well as registry data of about 20,000 patients and will discuss the implications of these data in clinical practice.

The faculty will also review strategies for screening and identifying which patients should be protected with the WCD and will review the impact of those patients who choose to wear it.

Agenda

12h45	Introduction Prof. Giovanni Luca Botto, Milan/ Italy
12h50	Detailed Clinical Evidence Behind the WCD — What Have Clinical Trials and Registries Told Us? Dr. Sebastian Reif, Munich/ Germany
13h05	Strategies for Screening and Identifying Which Patients to Protect With the WCD Prof. Joachim Ehrlich, Wiesbaden/ Germany
13h20	The Impact of the WCD for Patients Who Choose to Wear It Prof. Daniel Scherr, Graz/ Austria
13h35	Panel Discussion and Summary Dr. Olivier Piot, St. Denis/ France

ZOLL LifeVest

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20c0891_rev1

Quelles indications pour le Gilet Défibrillateur Portable ? Données probantes et stratification du risque pour la prévention de la mort subite cardiaque.

[Click here to view this email in English](#)

Atelier

[+](#)
Ajouter cet événement à votre calendrier Outlook



Vendredi,
27 Septembre 2019
11h30–13h00
Salle: Conclave



20^{es} Journées de Rythmologie

25–27 Septembre 2019
Palais des Papes, Avignon

MODÉRATEURS

Dr. Serge Boveda
Clinique Pasteur, Toulouse

Pr. Christophe Leclercq
CHU de Rennes, Rennes

PROGRAMME

11h30	Révéler les preuves cliniques derrière le Gilet Défibrillateur Portable — Qu'est-ce que les essais cliniques et les registres nous ont appris ? Pr. Elai Marjon, Paris
11h50	Le parcours du patient Dr. Hugues Blangy, Nancy
12h10	Impact du Gilet Défibrillateur Portable pour les patients qui choisissent de le porter Pr. Didier Klug, Lille
12h30	Indications et cas cliniques Dr. Pierre Mondoly, Toulouse
12h50	Table ronde Audience

ZOLL LifeVest

LifeVest® est un défibrillateur portable, dispositif médical de classe IIb, (CE0287), fabriqué par ZOLL Manufacturing Corp., indiqué pour le traitement des patients adultes à risque d'arrêt cardiaque soudain, et couvert par la sécurité sociale à priori par des centres autorisés dans les conditions et pour les indications médicales détaillées sous le code LPPR 1112161. Veuillez lire attentivement les indications, contre-indications, avertissements et instructions d'usage disponibles sur demande adressées à ZOLL (LifeVest-Info-FR@zoll.com). 9 août 2019.

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20c0891_rev1

Die Defibrillatorweste für herzchirurgische Patienten: Sinn oder Unsinn?

49. Jahrestagung der Deutschen Gesellschaft für Thorax-, Herz- und Gefäßchirurgie

[+](#)
Zum Outlook Kalender hinzufügen



SYMPOSIUM
Montag, 02. März 2020
12:30 bis 13:30 Uhr
Halle Süd

VORSITZ

Prof. Dr. Torsten Doenst
Universitätsklinikum Jena

Dr. Heiko Burger
Kerckhoff-Klinik Bad Nauheim

REFERENTEN

Prof. Dr. Jens Garbade
Herzzentrum Leipzig

PD Dr. Christian Kühn
Med. Hochschule Hannover

Prof. Dr. Michael Knaut
Herzzentrum Dresden

AGENDA

12:30 Uhr	Einleitung	Prof. Dr. Torsten Doenst Jena
12:35 Uhr	Risikostratifizierung des plötzlichen Herztods: Welcher Patient profitiert von der Defibrillatorweste?	Prof. Dr. Jens Garbade Leipzig
12:50 Uhr	Single- und Multi-Center-Erfahrungen aus Deutschland	PD Dr. Christian Kühn Hannover
13:05 Uhr	Wie etabliert man die Defibrillatorweste im klinischen Alltag?	Prof. Dr. Michael Knaut Dresden
13:20 Uhr	Diskussion und Zusammenfassung	Dr. Heiko Burger Bad Nauheim

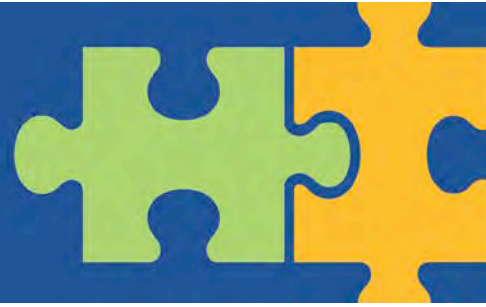
ZOLL LifeVest

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client: ZOLL LifeVest Corporation
project: Symposium Email Templates (HTML)

Finding
Answers



Forging
Ahead



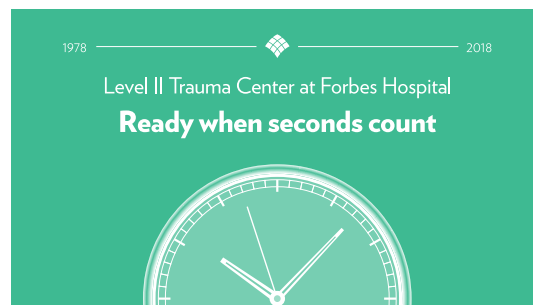
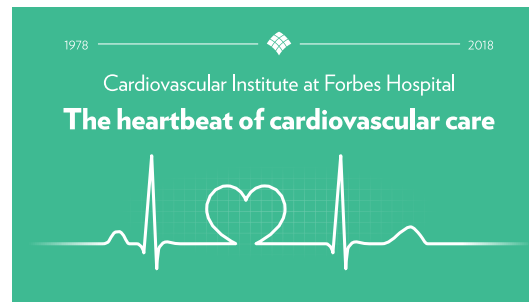
Making^{us}
impact



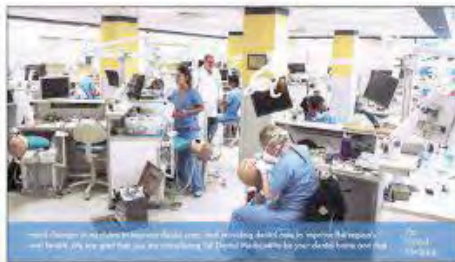
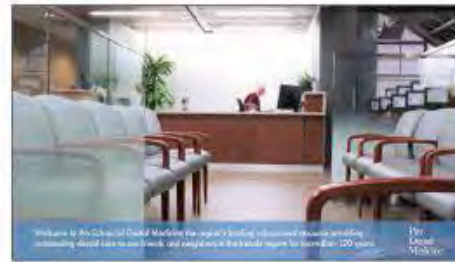
University of
Pittsburgh
School of Health and
Rehabilitation Sciences

Purposeful
Pursuits





client: Allegheny Health Network, Forbes Hospital
project: 40th Anniversary Flash Animation Video



client: University of Pittsburgh, School of Dental Medicine
project: Patient Recruitment Video



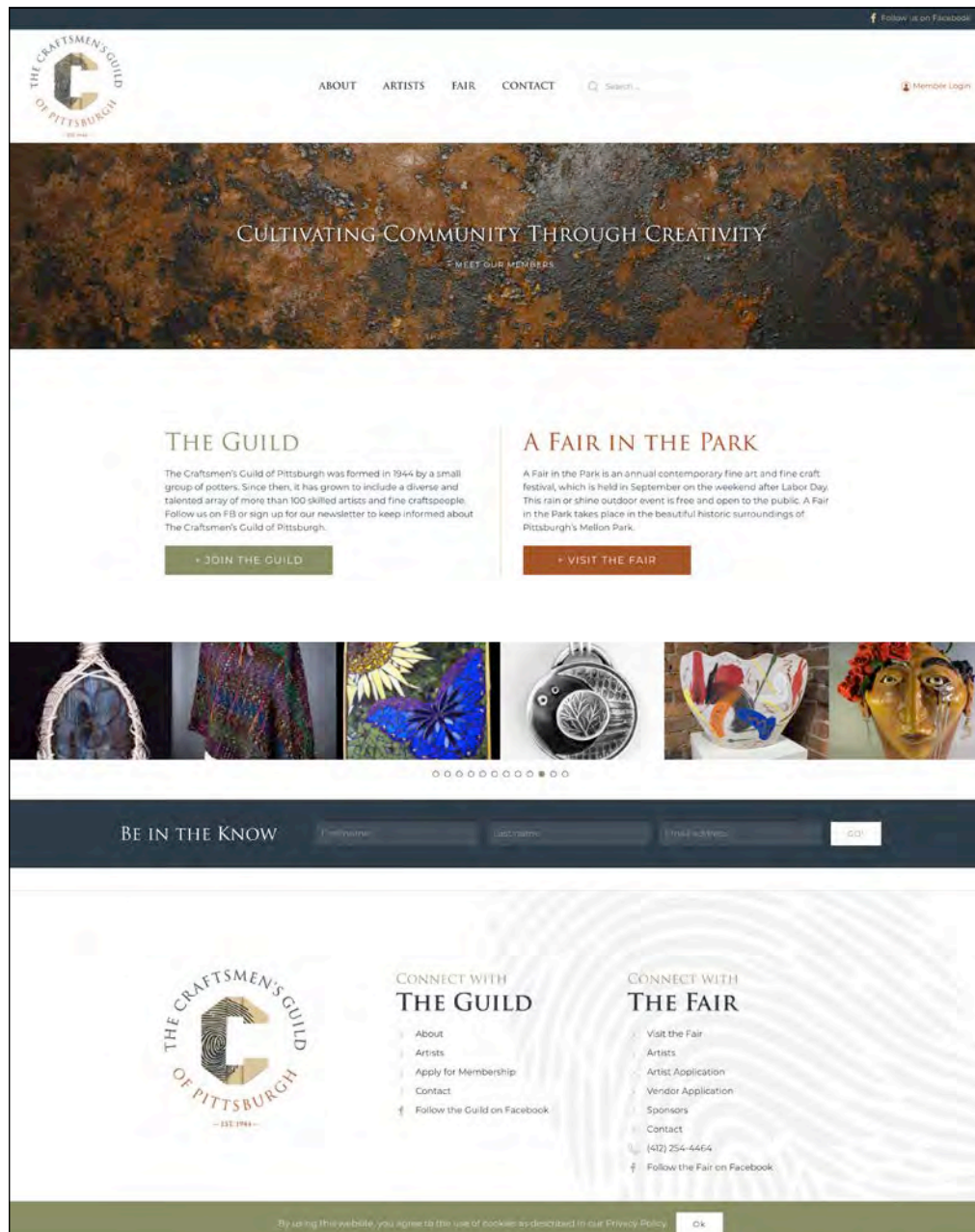
client: University of Pittsburgh, Institute for Entrepreneurial Excellence
project: Annual Report Digital Flip Book



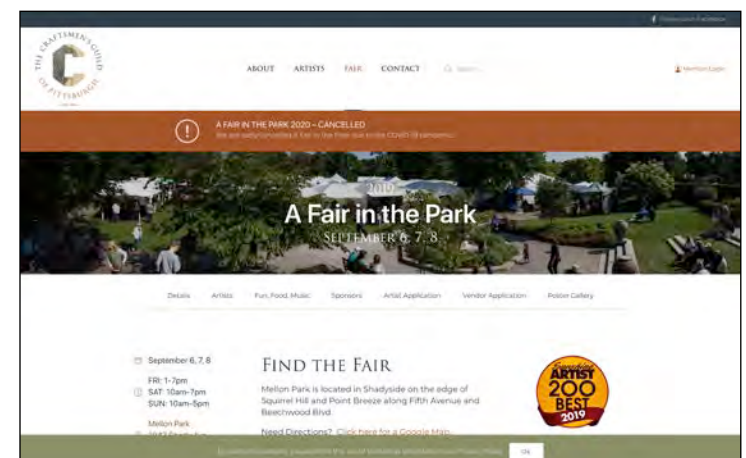
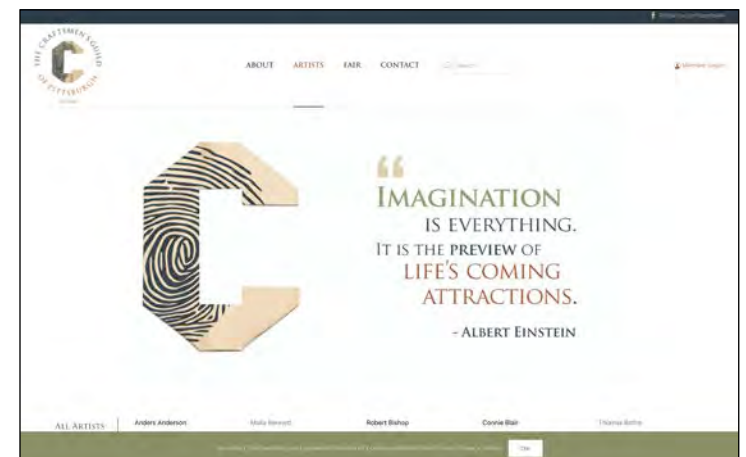
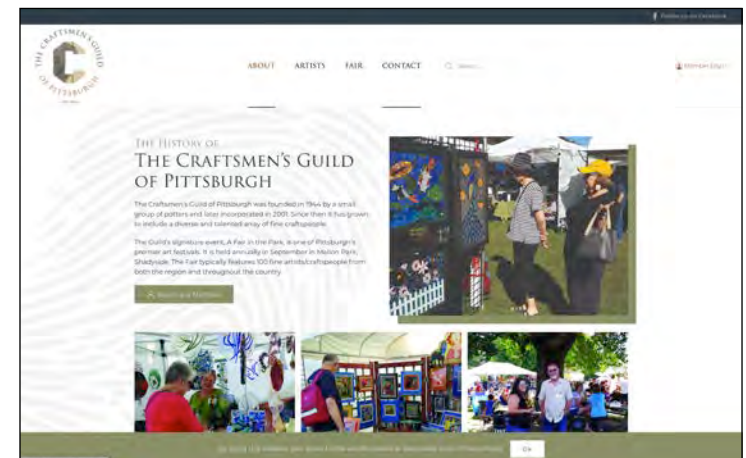
client: University of Pittsburgh, Pitt Ventures
project: Student Challenge Icons and Digital Banners

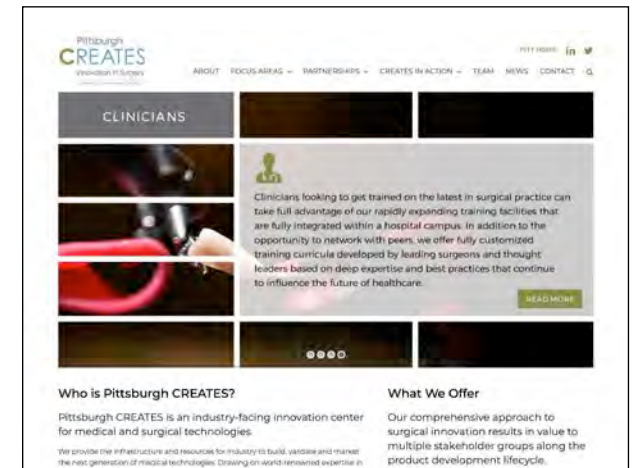
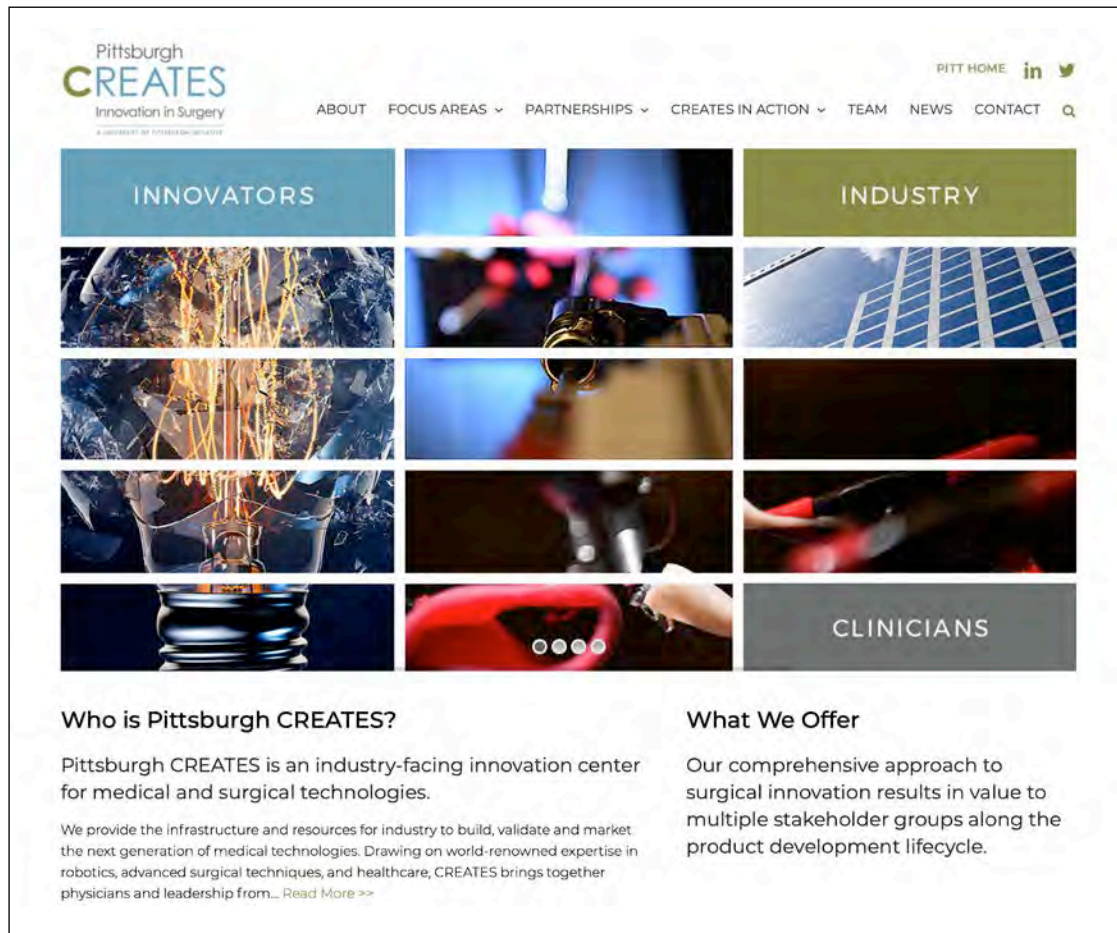


Websites

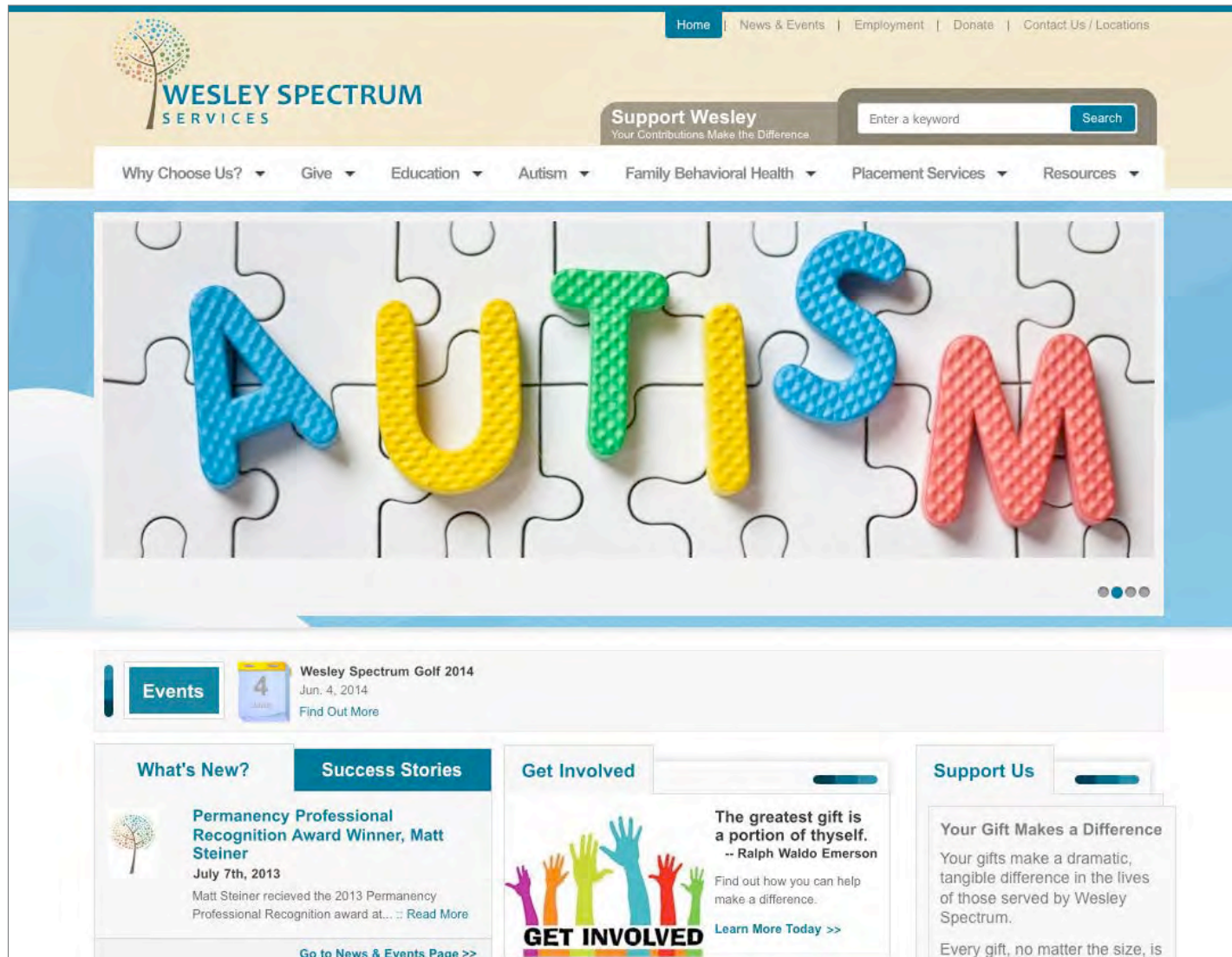


client: The Craftsmen's Guild of Pittsburgh
project: Website Design and Development





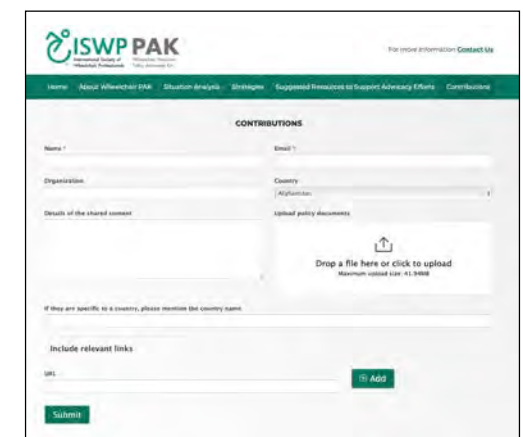
client: University of Pittsburgh, Pittsburgh CREATES Innovation in Surgery
project: Website Design



client: Wesley Spectrum Services
project: Website Design



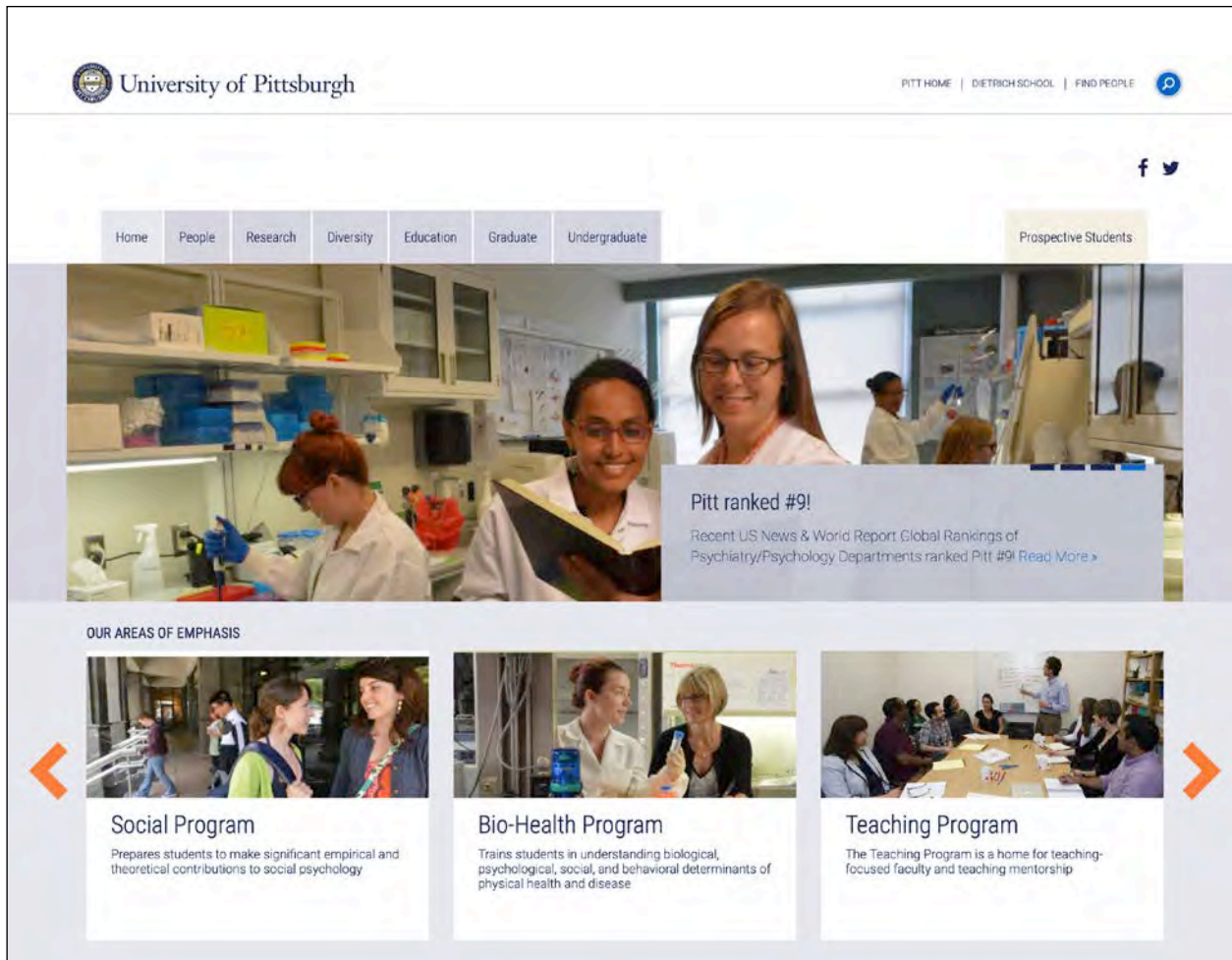
client: University of Pittsburgh, International Society of Wheelchair Professionals
 project: PAK Website Design and Development



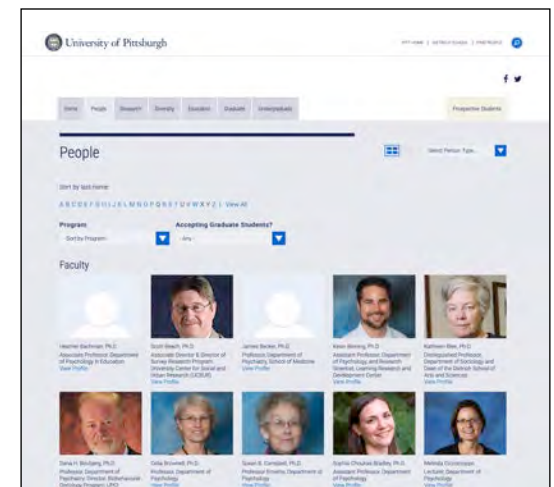
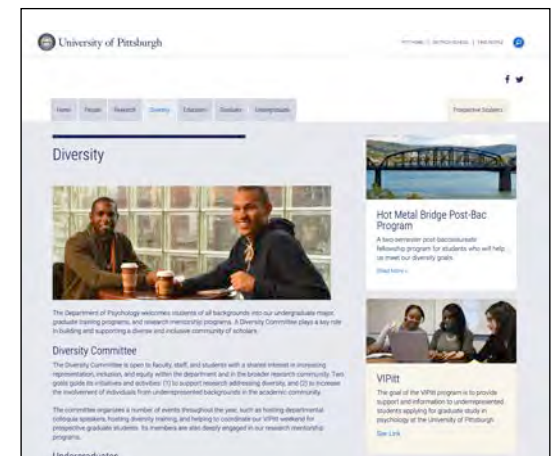
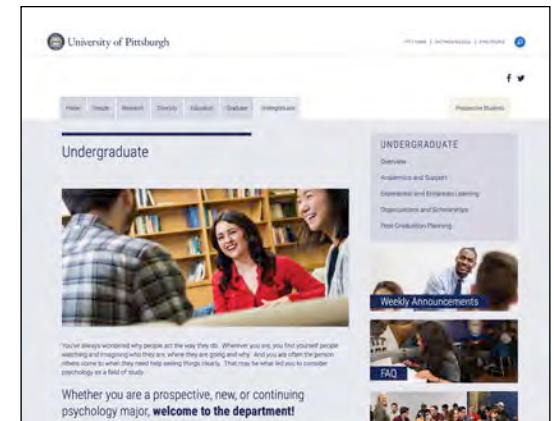


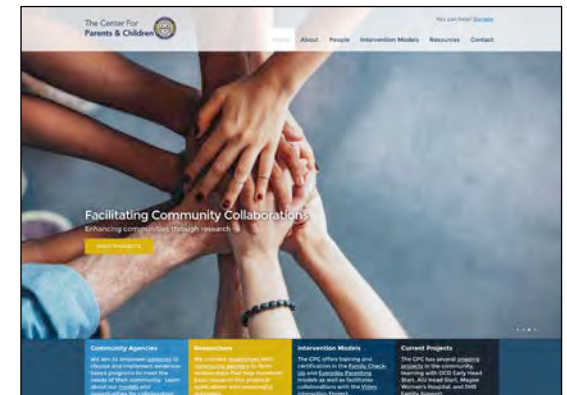
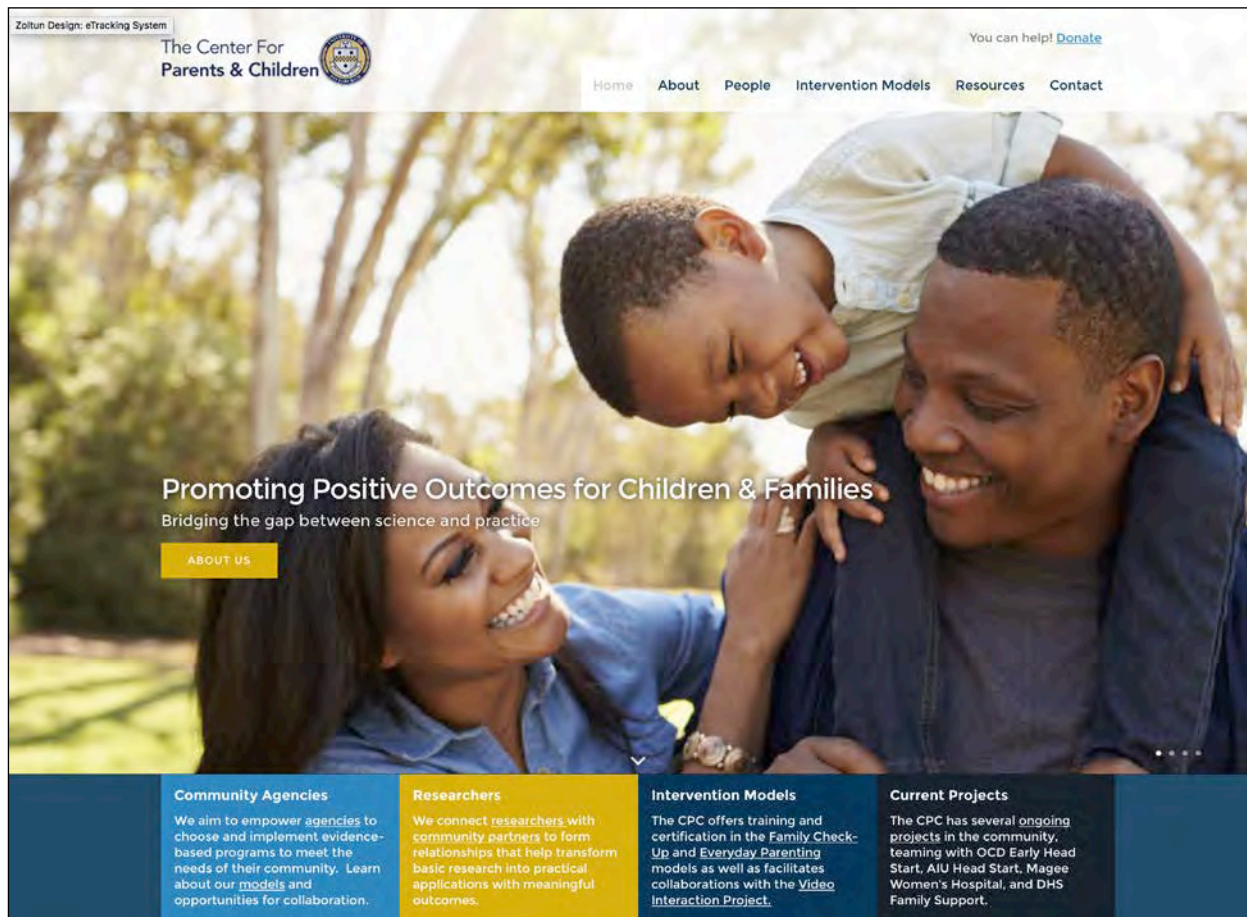
client: University of Pittsburgh, International Society of Wheelchair Professionals
 project: SMART Website Design and Development





client: University of Pittsburgh, Psychology Undergraduate Department
project: Website Design and Development





client: University of Pittsburgh, The Center for Parents & Children
 project: Website Design and Development