Rising to the challenge

In his 2011 State of the Union address, President Barack Obama issued what amounts to a clarion call to America’s engineers: “In order for America to win the future, we need to out-innovate, out-educate and out-build the rest of the world,” said Obama.

If activities during National Engineering Week are any indication, Temple engineers are up to the challenge.

From Feb. 21 to 26, the College of Engineering held more than 20 events that offered students and faculty an opportunity to demonstrate how their field touches everyday life. Activities highlighted contributions to biomaterials, fuel cells, smart materials and solar energy, as well as innovations such as 3-D imaging, augmented reality, porous concrete and solar cars.

“I feel like engineers are kind of responsible for a lot of things that most people take for granted, like roads, buildings,” said senior engineering student Thomas Gallen. “Engineers are helping everything to some extent … any object.”

In addition to its showcase of technology, National Engineering Week offered students a chance to demonstrate their practical skills, test their technical knowledge and present their research projects.

The week’s keynote speaker was Dave Westeholm, director of the Office of Response and Restoration for the National Oceanic and Atmospheric Administration. Westeholm’s office provided technical expertise during last year’s Deepwater Horizon oil spill in the Gulf of Mexico.

Several fitness options available for Temple staff

By Kim Fischer
kim.fischer@temple.edu

With busy work schedules, family commitments and other obligations, maintaining a consistent fitness routine can become a major challenge. Luckily for Temple faculty and staff, the university offers several fitness resources that make it easy to stick to an exercise routine and see results.

At a very low cost, employees can access one of several facilities, making it convenient to get in a workout around scheduled work hours.

Larry Banks, senior technical support specialist, has been taking spinning classes offered at Temple’s Independence Blue Cross Student Recreation Center (IBC) for two semesters straight and says he has never felt better in his life.

“It helps that it’s near my work, it’s affordable and you can pay with a convenient payroll deduction,” said Banks.

Captain Eileen Bradley started going to the IBC two years ago but says she wishes she had started sooner. A 39-year veteran of Campus Safety Services, Bradley now attends Pilates or a similar group fitness class three to four times a week either during lunch or after work. Bradley says there’s something at the IBC for every fitness level. “You don’t have to be a super athlete to take advantage of the classes or facilties,” she said.

Joining the IBC costs just $10 a month — a cost that employees who have elected to receive health benefits through Temple can recoup by signing up for Independence Blue Cross Healthy Lifestyles reimbursement program. The program will reimburse up to $150 when 12 workouts are completed within a 186-day period. To qualify, employees must be a member of a full-service fitness center. Located at the corner of 15th Street and Cecil B. Moore Avenue, the IBC offers more than group fitness classes. The center also provides areas for both strength training with weights and machines, and cardiovascular workouts on treadmills, elliptical trainers, stair steppers and recumbent and upright bikes. Patrons may plug their headphones into the CardioVision adapter to listen to one of the eight TVs in the cardiovascular area.

Employees who sign up can also use other campus recreation facilities such as the softball track or the tennis courts and are even eligible to participate on intramural sports teams, such as softball or soccer.

TUF is a new Temple University Fitness (TUF) is a new

Week of activities showcases the vital role of engineers

Engineering students test their designs in a power car competition as part of National Engineering Week.

Faculty mentor peers in classroom technology

By Eryn Jelesiewicz
dbocock@temple.edu

Blogs that draw out quiet students, video chats in French, voice e-mail feedback from a professor, interactive posters created on Glogster, and a wiki on dental materials. The technology that’s now available for the classroom is revolutionizing both teaching and learning.

Proponents insist that technology is critical for the 21st-century classroom, that student engagement has flourished with the use of technology, and that technology gives faculty endless options for student work assessment. Yet only a small portion of Temple’s faculty are using classroom technology to its fullest extent.

To build the use of technology in Temple classrooms, tech-savvy faculty are mentoring small groups of colleagues through a new year-long program, Faculty Mentors for the Future of Instructional Technology. Organizers believe the program will leverage the strengths of faculty already making great strides with technology by having them share their knowledge with colleagues who are interested but haven’t yet taken the plunge.

There are 17 teams of three to four faculty members.

“In developing the program, we asked ourselves: ‘How do we reach beyond the early adopters? How do we get more faculty committed to using technology?’” said Robert Aiken, professor and chair of the Teaching and Learning Technology Roundtable, which created the program.

Part of the challenge is that some faculty are reluctant to try new technology or doubtful about its value.

“I believe you can teach beautifully with or without technology, but it is the language that our students now speak,” said Pamela Barnett, associate vice provost and director of the Teaching and Learning Center and the mentoring program’s facilitator. “Students are used to getting information, having discussions and thinking about issues in the virtual environment.”

“Technology also helps us reach different kinds of learners,” said Aiken. “We want to give students the opportunity to learn and to show us what they’ve learned in different ways.”

Keith Quesenberry, an instructor of advertising and one of the 17 mentors, experienced first-hand the power technology has to reach different types of learners.

“During class discussions, you have your outgoing students and your quiet students, and you don’t always have time to get around to everyone,” said Quesenberry. “The blog has levelled the playing field by giving everyone a voice in the classroom.”

Quesenberry, who is working with three mentees, also saw an increase in student engagement and writing quality, which he attributes to the public nature of the blog.

Another mentor, Wil Roget, chair of the Department of French, German, Italian and Slavic Languages, is working with three mentors to teach French virtually by incorporating video and audio. It is the first time that language instruction at Temple has gone entirely online.

Roget engages students in 30-minute one-on-one video chats at the end of the course.

Activities during the course include interactive writing, speaking and comprehension exercises, compositions, lectures, film and video screenings. He uses the full
Employees can access health services on Main Campus

By Kim Fischer

Temple faculty and staff have several options for medical treatment right on the university’s Main Campus.

Temple University Employee Health Services (EHS) works to promote, protect and improve the health of employees. EHS provides on-campus medical services and related work conditions. The staff includes Joshua Roszenwag, a board-certified internist, and an administrative specialist.

“If you’re sick or have an urgent care need and you call for an appointment before 2 p.m., you can usually be seen by the doctor that said the same day,” said Mark Deny, associate director of Temple University Student and Employee Health Services. “Even if we can’t treat you immediately, we will schedule you for the next day. If we can’t, we will schedule you for the next day.” Additional services include allergy shots, blood draws, immunizations, pre-employment exams, surveillance exams and worker’s compensation. Insurance co-pays are waived, employees covered by Keystone need a referral from their primary care physician. Work-related injuries are treated quickly and efficiently. Thursday appointments are available with Michael Weinhart, associate professor of physical medicine and rehabilitation, who provides treatment in sports medicine, spine and trauma rehabilitation. Weinhart holds a subspecialty certification in sports medicine and has served as a team physician and consultant to Philadelphia sports teams including the Flyers, Eagles and Phillies.

For employees who have questions about their medications, Employee Health Services has partnered with the School of Pharmacy to offer a pharmacy clinic. The clinic services include a review of all prescription drugs, non-prescription drugs, vitamins and herbal supplements to ensure their safe and effective use; a discussion of common side effects; and help with strategies for adhering to a medication schedule.

“By working to keep Temple employees healthy, these initiatives help to decrease absenteeism, decrease health care costs and increase productivity,” Deny said.

Mentor

From page 1

resources of the virtual classroom to make the study of French accessible to students anywhere and anytime.

Such engagement requires a lot of motivation and organization from students, but Roget believes it has also led to much more learning because students are more engaged and accountable.

As the College of Education has undertaken a complete curriculum revision, Catherine Schifter, associate professor of curriculum, instruction, technology in education, has become a mentor to infuse more technology into the new curriculum. Her mentors are using Echo360,問いanswers, blogs, online surveys and voice e-mail.

“We need to be innovative and flexible and teach the technology so that our students can be 21st-century teachers,” said Schifter.

In Dentistry Professor Dan Boston's basic materials science class, students analyze product claims about dental materials. In class, students analyze product case-based discussions.

Each mentor receives a $2,000 stipend. Many of the mentors (and mentees) will be showcasing their work at Technology Day on April 4. The organizers hope that this year’s mentors will become next year’s mentors, helping technology to proliferate throughout the university.

Faculty mentors share expertise with colleagues

Malabur Music, Community and Regional Planning
Geographic information systems

Catherine Schifter, Education
Wimba classroom with voice email, group discussion and online quizzes

Robert Trempe, Architecture
Computer-numerically controlled laser cutting for planar fabrication

Sylvia Tewskys-Bumgardner, Public Health Wimba classroom with voice boards and video lecture

Renée Hobbs, Communications
Wimba, voice and video online course materials

Resources Management
Wimba classroom, library subject guides and online video course materials

Franklin A. Davis, Chemistry
Powerpoint and ChemDraw

Abbe E. Forman, Computer Information Systems
Web 2.0, blogs and wikis

Wilbert J. Roget, French, German, Italian, Slavic
Wimba classroom for teaching foreign language

Justin Yuan Shi, Computer Information Systems
Course cast and mobile platforms

Daniel W. Boston, Dentistry
Wimba

Fitness

From page 1

Campus Recreation facility located across the street from the IBC on the corner of North Broad Street and Cecil B. Moore Avenue (second floor) with over 16,000 square feet of space featuring cardio and strength training equipment.

The university also has fitness centers on Temple’s Ambler and Health Sciences campuses and at Temple and the School of Podiatric Medicine.

Another option for those looking to get fit is the Health Fitness and Wellness Center (HFWC), located in Pearson Hall and sponsored by the Department of Kinesiology in the College of Health Professions and Social Work.

At a cost of $150 annually, also payable through payroll deduction and also reimbursable through Healthy Lifestyles, members of the HFWC are closely monitored by qualified staff, who are often graduate students in the Department of Kinesiology, and receive health information and individualized fitness programs to help them achieve their personal goals.

Lisa Troy, program coordinator at Temple’s Institute on Disabilities, says she received the individual physical attention she receives at HFWC. “When I was trying to put together my workout schedule and set my personal weight loss goals, I received a customized plan of circuit training tailored just for me — and it actually worked! I am still working with that plan today,” said Troy.

And, if you’re looking for someone to take you through each lunge and count every one of your push-ups, the HFWC offers personal training with a certified trainer at an additional cost of $45 per session. Personal training is not available at the IBC or TUF.

Although smaller and less high-tech than the IBC or TU, the HFWC has both strength training and cardio equipment, and members have use of the locker room and Pearson Pool as well. The center offers one group fitness class — a group circuit training workout with instructor Christine McNutt, a master’s student in Kinesiology and a certified personal trainer. She leads the session to meet the needs of those in attendance at the class on each particular day.

Hours for the HFWC are limited to early morning, lunch and early evenings, when employees with traditional work schedules are most likely to go.

On March 21 from 6:30-7 p.m., the Center will offer a free yoga/Sega workshop with instructor Marian Garfinkle. The workshop is designed to help participants unplug their health potential.

Annual health and wellness fair set for April 19

Temple employees can take steps toward a healthier life at the university’s eighth annual health and wellness fair, scheduled for April 19 in the Liacouras Center’s Fox-Gittis room. The event, which runs from 10 a.m. to 2 p.m., will feature information on a variety of health topics, including fitness, dental options, diet and nutrition and more. Participating exhibitors will include AETNA Dental, Temple’s Center for Obesity Research and Education, Sporting Club at the Bellevue, Health Solution and United Concordia Dental. The fair is presented by Human Resources’ Benefits Office.

IMPACT

March 4, 2011

Vol. 41, No. 13

Senior Vice President: Kenneth Lawrence
Assistant Vice President for Communications: Christine McNutt, (215) 204-8403

Kim Fischer
kim.fischer@temple.edu

Employee Health Services
1810 Liacouras Walk, fourth floor
Hours: 8:30 a.m. to noon and 1 p.m. to 4:30 p.m., Monday through Friday.
1-2679 or employee@temple.edu
www.temple.edu/ehs

Employee Health Services
1810 Liacouras Walk, fourth floor
Hours: 8:30 a.m. to noon and 1 p.m. to 4:30 p.m., Monday through Friday.
1-2679 or employee@temple.edu
www.temple.edu/ehs/
Alfred's 50-year
love affair with
Temple continues
By Preston M. Moretz
pmoretz@temple.edu

In 1960, Martin Adler literally could have gone anywhere, but he chose Temple. As the first Ph.D. graduate of Albert Einstein College of Medicine, Adler had some 20 job offers in pharmacology from a variety of institutions. But after interviewing at Temple, he knew this was the place he wanted to be: "I really liked the people, and I just had a good feeling about Temple," said Adler, who joined the pharmacology faculty in Temple's School of Medicine. "And I still do. It's kept me here for 50 years."

So small and integrated that Adler recalls during his early days at Temple that the School of Medicine dean — professor could talk with him over coffee. "But while the university has grown and changed over the years, Adler said one thing has remained a constant. "When I first came to Temple, it was the emphasis on education. That's always been the main emphasis of Temple," he said.

A teacher and a researcher when he first came to Temple, Adler has given up full-time teaching when he became an emeritus professor 10 years ago. But he still receives grant funding and maintains a full research lab in the School of Medicine.

In his early years, Adler's research focused primarily on the effects of brain damage from epilepsy and the brain's response to drugs such as morphine, which are used to treat altered brain activity and help in the recovery of brain function. Today, he continues to study the brain's response to drugs such as morphine, which

Growing group helps build cross-cultural connections
By Jazmyn Burton
jburton@temple.edu

It was an idea whose time had come. Dr. Zibelman, the School of Podiatric Medicine, is collaborating with Dr. Zibelman, the School of Podiatric Medicine, on a program that provides professional development and social engagement through brown-bag lunch discussions on issues related to group and the School of Podiatric Medicine. The group invites the participation of all members of the university community who support its mission: to provide a space for women of color to engage in discussions and community building within a supportive environment.

Temple student takes nutrition program to Norristown kids
By Renee Cree
rcree@temple.edu

When Miss Gabbie comes to visit the kindergarteners at Paul V. Fly Elementary School in Norristown, Pa., the children know they are in for a treat—literally. "Miss Gabbie is not only a master of Public Health student who has been visiting our children since October as part of her Albert Schweitzer Fellowship to teach them about healthy habits related to nutrition," says a parent, who has noticed a difference in her children's love for healthy foods. "My child has started eating more fruits and vegetables since she has been coming to the kindergarten program," the parent said. Other factors that have contributed to her child's increased interest in healthy foods include the school's focus on health education, the availability of fresh fruits and vegetables, and the positive feedback from other children who have tried the healthy foods that Miss Gabbie has brought to school. As a result, the program has expanded to include visits from other health care professionals and community leaders, who share their own experiences with healthy eating habits. "It's been a great opportunity to work with Paul V. Fly before, and to have a larger impact on the community," said the parent. "I think it's important to involve all members of the community in efforts to promote healthy eating habits among young children, and I believe that the program can serve as a valuable resource for parents and educators alike."
With donation, Blockson Collection will keep Tuskegee legacy alive

By Jazmin Burton
jburton@temple.edu

At a time when African Americans in the United States were still subject to overt racial discrimination, the Tuskegee Airmen became the first military warriors of color to join the U.S. Armed Forces.

Now Philadelphia-area survivors from the group have donated a trove of photographs, correspondence and other documents to the Charles L. Blockson Afro-American Collection at Temple University that will remind future generations of the veterans’ noble service and sacrifice.

“All Kitman were proud to be the recipients of the Philadelphia Chapter archives,” said Diane Turner, curator of the Blockson Collection. “When America needed its men and women to go to war, these courageous men enlisted and fought against great odds. Not only did they fight in combat, they fought against racism and discrimination at home.”

Several members of the Tuskegee Airmen independently visited Main Campus recently to share personal stories about their experiences during World War II. Founded in 1972, the chapter includes members who fought during WWII and the civilian and military personnel who supported their push to integrate into the U.S. Air Force.

With many members deceased, finding the time and space to store important documents became a task too big for some surviving members to handle, said Eugene Richardson, 2nd Lieutenant and Philadelphia Chapter chairman.

“We all get older Officers come in and go, things get lost and misplaced,” Richardson said. “We thought it would be a great idea for the Blockson to have these resources and help preserve the history of the Tuskegee Airmen, Philadelphia Chapter.”

The donation represents more than 20 years of history including the organization’s original charter.

Richardson, who earned his business degree from Temple in 1953, became interested in flight as a young boy after his father and a friend took him along to see the Colored Air Circus, a group of African-American aviators performing an air show in Mansfield, Ohio.

Driven by pure interest to fly, he decided to join the Army Air Corps in order to become a pilot. When he turned 17, he signed up to take a pilot training course.

“My father was actually against my decision to train as a pilot,” said Richardson. “But he eventually gave his permission and signed the parental permission form.”

Richardson passed the test, and a few months later, at the age of 18, was sent to Keesler Field in Mississippi for three months of basic training. It was 1943, the height of segregation in the South.

“The Tuskegee Airmen inspired revolutionary reform in Armed Services,” said Richardson. “It’s important that researchers and students have access to our stories. We’re grateful that an institution like Blockson exists. We know that the archivists will be put to good use here.”

Film professor’s ‘Top Secret Rosies’ reveals hidden war effort

The iconic image of Rosie the Riveter remains an enduring symbol of American women’s role in World War II. But few know that Rosie had a legion of sisters whose war work was intellectual and cerebral rather than brawn: a group of female mathematicians who worked as America’s first “human computers.”

In 1942, just after the Japanese attack on Pearl Harbor, hundreds of female mathematicians from across the country — some as young as 18 — were recruited to a secret military program that paid them to work around the clock, devising ballistics programs. Their efforts helped the Allied powers win the war and ushered in the modern computer age.

In Top Secret Rosies: The Female Computers of WWII, Temple Associate Professor of Film and Video LeAnn Erickson reveals four of these remarkable women — one of whom was a Temple student. Screened at the week’s Metro Engagement Forum, “The Unseen World,” in the Commons Atrium of the Medical Education and Research Building.

Designed by Philadelphia artist Kate Kaman, of Kamam and Erland, “The Unseen World” is a three-story high, 55 square feet, the precursor to modern art, the first sculpture dedicated to follow in the atrium.

Amber performance celebrates the music of Rodgers and Hart

On March 4 at noon, the Boyer College of Music and Dance and the Amber Learning Center will present a community concert featuring John Johnson, professor of music studies in Temple’s music theory program.

The show will feature a selection of songs from Rodgers and Hart, the American songwriting team who composed more than 28 musicals between 1919 and 1943. Their work includes “Fly With Me,” “ Babies in Arms,” “America’s Sweetheart” and “A Connecticut Yankee.” A lecture on the composers’ contributions to American music will follow the performance.

Johnson has been a Temple professor for more than 40 years and has filled the roles of pianist, accompanist, vocal coach, musical director, composer, actor, scholar and educator. He is a 2010 recipient of Temple’s Great Teacher Award.

The concert is free and open to the public.

Orchestra Chamber of Philadelphia — March 8

The Temple Performing Arts Center’s resident company, the Chamber Orchestra of Philadelphia, will perform selections from Mozart, Lisztowski and Haydn on March 8 at 7:30 p.m., under the direction of conductor Ignat Solzhenytsyn.

The 33-member ensemble has toured globally, gaining a reputation for distinguished performances of works from the Baroque to the avant-garde. For tickets, call the Liacouras Center Box Office at 1-800-298-4200, or visit www.thebaptisttemple.org for single-tickets for more information.

Medicine will dedicate three-story art installation

On March 10, the School of Medicine will dedicate a sculpture on campus, “The Unseen World,” in the Commons Atrium of the Medical Education and Research Building.

The dedication will be held in conjunction with the Stifel Learned Lecture Series and will be hosted by School of Medicine Dean John M. Daly and the Art Committee at Temple University School of Medicine. The lecture will feature Alan C. Bradrock, assistant professor of art history at Tyler School of Art, on the importance of medicine as inspiration for art. The iconic image of Rosie the Riveter remains an enduring symbol of America’s first “human computers.”

Amber performance celebrates the music of Rodgers and Hart

For more information on the Music and Dance program at Temple, call 215-204-7500.