

## University astronomers discover rare cosmic ‘growth spurt’

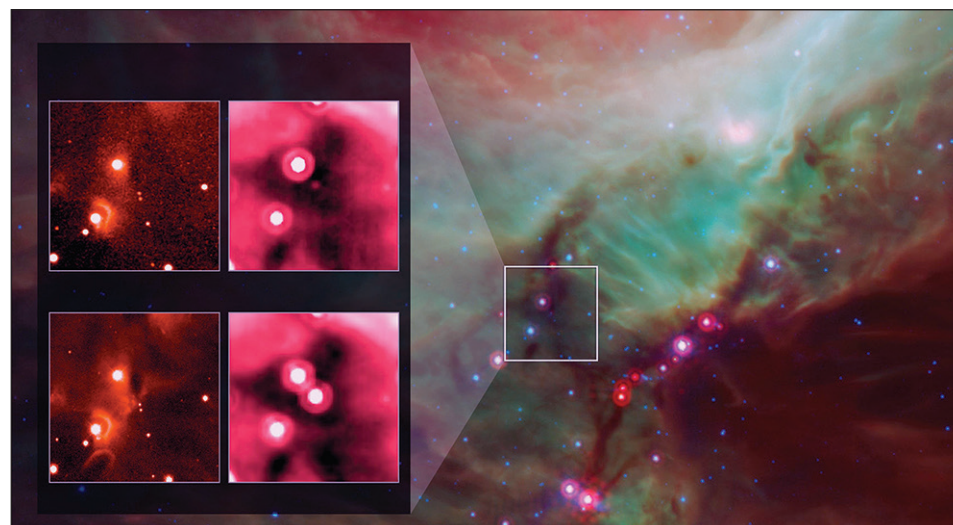
By Aimee Portala

A team of astronomers based at The University of Toledo has discovered an outburst from a star thought to be in the earliest phase of its development. The eruption reveals a sudden accumulation of gas and dust by an exceptionally young protostar known as HOPS 383.

Led by Dr. Tom Megeath, associate professor of physics and astronomy, the team used data from orbiting observatories, including NASA’s Spitzer Space Telescope, and ground-based facilities to research the formation of stars similar to the sun.

HOPS 383 is located about 1,400 light years away, near the well-known Orion Nebula. The region constitutes the most active nearby “star factory,” home to a multitude of young stellar objects.

Stars form within collapsing fragments of cold gas clouds contracting due to gravity. In the center of the cloud, a small protostar forms, surrounded by a dusty



Images from NASA/JPL-CalTech/UT; background by Emily Safron and UT researchers

**GROWING STAR:** Infrared images from instruments at Kitt Peak National Observatory, left, and NASA’s Spitzer Space Telescope document the outburst of HOPS 383, a young protostar in the Orion star-formation complex. The background is a wide view of the region taken from a Spitzer four-color infrared mosaic.

orbiting disk. Astronomers call this a Class 0 protostar. The disk grows as gas from the cloud continues to fall, and the disk in turn “feeds” the protostar. Astronomers monitor

protostars to see if the disk feeds the protostar in little bites or big gulps because this can have great consequences for the formation of stars and planets.

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## Assistant provost selected for Fulbright International Education Administrators Program

By Cathy Zimmer

Dr. Sammy Spann, assistant provost for international studies and programs, has been selected for a 2015-16 Fulbright U.S.-Japan International Education Administrators fully funded grant to Japan.



Spann

This was a highly competitive selection process with hundreds of applicants, but only 10 recipients.

“This is a huge honor of being selected from hundreds of applicants

of applicants from around the United States,” Spann said. “This is a wonderful chance to gain additional perspective into how colleagues from the United States and abroad internationalize their campuses. With the support of many individuals from across campus, I am able to take advantage of opportunities such as this, impacting both my professional and personal life.”

In June, Spann will participate in a two-week group seminar designed to help U.S. higher education administrators become familiar with Japan’s higher education system, society and culture. The program consists of briefings, campus visits, appointments with government officials, cultural activities, and meetings with Japanese international education professionals in Tokyo and other cities.

Grantees have the opportunity to learn about the host country’s education system as well as establish networks of U.S. and international colleagues.

According to the Fulbright International Education Administrators Program, Japanese universities are on the forefront of several new education-based globalization initiatives that aim to develop

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## UT’s Army ROTC trains leaders

By Samantha Watson

Since 1947, the Army ROTC at The University of Toledo has commissioned more than 2,000 lieutenants.

Today, the Army Reserve Officer Training Corps Rocket Battalion has more than 80 cadets who are learning what it takes to be a leader, whether or not they continue in the military.

“There’s no typical cadet,” said Maj. Chris Mugavero, professor and chair of the UT Department of Military Science. “Any student on campus can start; they might not all become officers, but they can come and learn leadership and discipline.”

Mugavero said the focus of ROTC is more about helping students to learn leadership than it is about learning military

techniques. The program even has a few international students who are participating in the leadership training classes even though they can’t join the military.

Most of the cadets begin ROTC their freshman year, focusing their freshman and sophomore years on taking classes and learning the ropes as far as military etiquette goes. When cadets become juniors, they take on leadership roles and guide the freshmen and sophomores.

Juniors typically plan a lot of the physical training and labs, and seniors oversee those plans and run committees and groups to plan other activities. Labs typically involve tactical military training, but also are focused on giving

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Photo by Daniel Miller

**LEADING THE WAY:** Cadet Pvt. Marcus Masello, a freshman majoring in information technology, held the Rocket Battalion colors during a recent training exercise on platoon movement.

## UT Health to celebrate new physical therapy office with April 10 event

By Amanda Benjamin

University of Toledo Health continues to expand in the local community with the addition of its first off-campus physical therapy and sports medicine office, located at the Regency Medical Campus.

To celebrate the addition of this new office, UT Health will host a ribbon-cutting event and grand opening Friday, April 10, at 12:15 p.m.

With a focus on sports medicine, UT Health Physical Therapy and Sports Medicine at Regency primarily cares for K-12 and college athletes, though patients of all ages and fitness levels are welcome. This office offers a convenient schedule, including early morning, evening and Saturday hours.

“Our office serves nine high schools in the Toledo area, making it an important part of the community,” said Dr. Patrick Siparsky, orthopedics and sports medicine physician and UT assistant professor of orthopedics. “Our hours make it very convenient for students to come in early

before school or for adults to come in later after work.”

This office joins the other services UT Health offers at Regency, including orthopedics, primary care, cardiology, neurology and urology.

“It’s really great that we’re expanding and offering a convenient location to our patients,” said Marci Cancic, lead physical therapist at UT Health Physical Therapy and Sports Medicine at Regency. “Our patients love that they can schedule their orthopedic and physical therapy appointments back to back and that they’re in the same building without having to go to the hospital.”

Regency Medical Campus is located off Talmadge Road near Franklin Park Mall at 1000 Regency Court, Toledo. Hours for UT Health Physical Therapy and Sports Medicine at Regency are Monday through Thursday from 7 a.m. to 7 p.m., Friday from 7 a.m. to 5 p.m., and Saturday from 8 a.m. to noon.

For more information, call 419.383.2733.

## Engaging scholar



Photo by Mike Henningsen

Dr. Reza Aslan, a New York Times best-selling author and creative writing professor at the University of California in Riverside, signed books after he gave the Imam Khattab Lecture in Islamic Studies last week. During his talk, “Youth Revolt: The Future of the New Middle East,” Aslan talked about the Iran deal, boycott, divestment and sanctions. He has written several books, including *Zealot: The Life and Times of Jesus of Nazareth*, *No God But God: The Origins, Evolution and Future of Islam* and *How to Win a Cosmic War*. Lions Gate Entertainment Corp. recently picked up *Zealot* to become a feature film.

## Farewell reception for vice president April 10

The University of Toledo will thank Lawrence J. Burns for his 25 years of service to the institution at a farewell reception Friday, April 10.



Burns

The reception celebrating his service to the University and the Medical College of Ohio will be from 3:30 to 5:30 p.m. in the Driscoll Alumni Center Schmakel Room.

“Larry has been an enthusiastic ambassador for The University of Toledo working to promote the UT brand and build our Rocket Nation,” Interim President Nagi Naganathan said. “We are grateful to Larry for his leadership and great service

to the University and the northwest Ohio community.”

As vice president for external affairs, Burns leads UT’s marketing and communications initiatives, as well as equity, diversity and community engagement activities.

Burns is the host of UT’s “The Relevant University” radio programs on WJR 760 and 1370 WSPD, and a part-time faculty member in the Department of Communication in the College of Languages, Literature and Social Sciences.

He joined the Medical College of Ohio in 1990 and led the college’s institutional advancement program prior to the 2006 merger with UT.

A native of Detroit, Burns’ career also has included serving as director of capital campaigns for Children’s Hospital of Michigan, director of public affairs for Smith, Hinchman & Grylls Associates, and assistant campaign director for the United Way in Detroit. He has a bachelor’s degree in interpersonal and public communication from Central Michigan University.



Photo by Daniel Miller

**STRONGER EVERY DAY:** Physical Therapist Marci Cancic worked with a patient at UT Health’s new physical therapy office at the Regency Medical Campus. A grand opening for UT Health Physical Therapy and Sports Medicine at Regency will be held Friday, April 10.

## Accounting Department earns distinctive accreditation

By Bob Mackowiak

The Accounting Department in The University of Toledo College of Business and Innovation has received, in its first attempt, a departmental accreditation from the Association to Advance Collegiate Schools of Business.

This is a voluntary accreditation obtained by only 1.3 percent (182 institutions) of accounting programs in the 13,670 business schools around the world.

“It takes a great deal of self-evaluation and determination to earn both accounting and business accreditation, and I commend The University of Toledo for its dedication to management education, as well as its leadership in the community,” said Robert D. Reid, executive vice president and chief accreditation officer of the Association to Advance Collegiate Schools of Business International.

“The Association to Advance Collegiate Schools of Business is recognized around the world as the premier accrediting body for business schools and their accounting programs, and the requirements and documentation that must be met are exceptional,” said Dr. Gary Insch, dean of the UT College of Business and Innovation. “We take great pride in obtaining a distinction shared by less than 2 percent of all college accounting departments in the world. As such, I want to emphasize to students and parents that The University of Toledo College of Business and Innovation is the place to study accounting, as well as to remind accounting firms and employers of the remarkable talent they know they will find in our accounting graduates.”

“This is both a tremendous achievement and an exceptional recognition for the Department of Accounting,” noted Dr. Hassan HassabElnaby, professor and chair of the department. “We are proud to pass this rigorous process, which required a significant amount of work from our faculty, staff and students.”

The Association to Advance Collegiate Schools of Business is composed of educational institutions, businesses and other organizations devoted to the advancement of higher education, and is the premier accrediting agency of collegiate business schools and accounting programs worldwide.

The accounting department strategic review from the association team focused on the delivery of high-quality education, continuous improvement and market relevance.



“The Association to Advance Collegiate Schools of Business accounting accreditation ensures both students and parents that the Accounting Department is providing a top-quality education. Additionally, it ensures employers across the country that UT College of Business and Innovation Accounting Department graduates are ready to perform on day one,” HassabElnaby said.

Particular strengths of the UT Accounting Department mentioned in the accreditation’s report include:

- “The faculty is very committed to being educators and to their students.”
- “The department chair is a committed dynamic leader.”
- “The members of the Accounting Advisory Board are truly dedicated and concerned about the department and are willing to serve on departmental faculty committees.”
- “The Alan Berry Accounting Lab, funded last year by a donor, is an excellent resource for accounting students.”
- “The department has an environment, including faculty, support staff and facilities, that indicates that they have an overall high-quality environment. Faculty, staff and administration of the Department of Accounting are committed to continuous improvement, and their results clearly show that it has been a success, and their strategic plan and faculty illustrates their commitment to continue to move forward.”

Reid added, “Dean Insch, Dr. HassabElnaby and the faculty, directors and staff of The University of Toledo are to be commended for their role in earning accreditation in accounting, as well as for maintaining excellence in their overall business programs.”

## Keynoter



Photo by Amanda Benjamin

Dr. Keith T. Flaherty, associate professor of medicine at Harvard Medical School and director of developmental therapeutics at the Massachusetts General Hospital Cancer Center, gave the keynote address last month at the Graduate Research Forum hosted by the UT Council of Biomedical Graduate Students. The title of his talk was “Leveraging Molecular Biology in Cancer Therapy to Develop Rationale Targeted Therapy: The Case Made by Melanoma.” Flaherty also served as a judge for student oral and poster presentations during the forum.

## In memoriam

**Joycelyn “Joy” Harrison**, Toledo, who worked at MCO/MUO/UT for two decades, died March 28 at age 68. She started as a temp and worked as a secretary or technical typist in General Surgery, Radiation Safety, Orthopedics, Nursing Education, Allied Health and Physiology from 1989 to 1990 when she was hired as a secretary in Infection Control. In 1992, she moved to Quality Assessment, and she also worked in the Business Office, Patient Financial Services and Radiology Diagnostics. Harrison was secretary in Pediatrics when she retired in 2010.

**Dr. Mary A. Lenkay**, Toledo, clinical associate professor emerita of psychiatry, died March 26 at age 93. She completed her residency at MCO and then joined the faculty as a clinical instructor of psychiatry in 1971. One year later, she was named assistant professor. In 1984, she became a clinical assistant professor and clinical associate professor three years later. In 1994, Lenkay was designated clinical associate professor emerita.

**Barbara Wetzel**, Toledo, a UT employee for 15 years, died March 23 at age 67. She joined the staff as a custodial worker in 1983 and became a clerk 2 in 1995.

# Professor publishes article on race, militarization of police

By Samantha Watson

Is the militarization of certain police forces related to the racial makeup of their community?

Recent events like those in Ferguson, Mo., might point to a connection, but a UT professor's study found it has more to do with a community's integration rather than the demographics of the people who live there.



Ajilore

Dr. Olugbenga Ajilore, UT professor of economics, recently published "The Militarization of Local Law Enforcement: Is Race a Factor?" in the journal

Applied Economics Letters.

His article is based around a federal program, administered by the Law Enforcement Support Office, that posts notice of surplus military equipment to a website where law enforcement offices can request items free of charge. These items

range from flashlights and bulletproof vests to assault rifles and mine-resistant, ambush-protected (MRAP) vehicles.

It is the MRAP vehicles obtained by local law enforcement offices that Ajilore focused on in his study. The vehicles, which were created in 2000 to combat improvised explosive devices (IEDs) in Iraq, have no place on American soil, according to Ajilore.

"I can't think of a reason, in this country, to have one of those," he said. "There are no IEDs on Monroe Street."

When Ajilore studied the relationship between race and the acquisition of mine-resistant, ambush-protected vehicles, his findings were opposite those predicted by the hypothesis. In fact, according to his results, the presence of a larger African-American population actually lowers the likelihood of MRAP acquisition.

"When you see the visuals of Ferguson over the summer, you expect the data to replicate that," Ajilore said. "But it didn't; in fact, it showed the opposite."

Data for the study came from a preliminary analysis by National Public Radio of 1,033 program acquisitions. The

analysis showed that during the nine-month period that MRAPs were available, only 15 percent of U.S. counties acquired the vehicles, and only 1 percent of those 26 counties acquired more than one.

Ajilore then looked at several factors of those counties, including the percentage of African-American, Native-American, Asian and Hispanic individuals within those populations. He also used an equation that determines dissimilarity in a population, indicating the level of segregation within those communities.

One factor that was positively correlated to the procurement of MRAP vehicles is high residential segregation. This could mean that police militarization is related to segregation in a population, rather than the amount of people of a certain race within that population.

"What you realize then is that race is still an issue, but not in the way we traditionally think about it," Ajilore said. "It's not just the presence of minorities that causes these issues, it's how they're distributed geographically."

If you compare Toledo and Cleveland, the two cities are demographically similar,

according to Ajilore. The difference is that Toledo is more racially integrated than Cleveland, and Cleveland has MRAP vehicles while Toledo does not.

Ajilore said this type of segregation could be related to the acquisition of military grade equipment such as MRAPs because of the Minority Threat Hypothesis. Because many of these areas have been segregated for so long, when the minorities begin to move to areas populated by the majority, they are perceived as a threat to the status quo, and the majority responds by increasing the proportion of resources devoted to police services.

The use of this type of military grade equipment changes the way the public thinks of the police, according to Ajilore.

"If you look at the role of police and the role of military, they shouldn't be the same," he said. "The police are there to protect and serve the people within their community. The purpose of the military is to go out and end conflicts."

To read Ajilore's article, visit <http://utole.do/mrapstudy>.

## Astronomers

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HOPS 383 appears to have just taken a big gulp.

"HOPS 383 is the first outburst we've ever seen from a Class 0 object, and it appears to be the youngest protostellar eruption ever recorded," said William Fischer, a NASA Postdoctoral Program Fellow at NASA's Goddard Space Flight Center in Greenbelt, Md. Fischer attended UT as an undergraduate from 1997 to 2001 and returned as a postdoctoral fellow from 2008 to 2013.

The Class 0 phase, which lasts roughly 150,000 years, indicates that most of the star-forming material is still in a dusty envelope surrounding the star and has not been consumed yet by the star.

The eruption was first discovered in 2014 by astronomer Emily Safron, shortly after she graduated from UT. Under the supervision of Megeath and Fischer, she had just completed her senior thesis comparing the decade-old Spitzer Orion survey with 2010 observations from NASA's Wide-field Infrared Survey Explorer satellite. She already had run through the data several times without finding anything new, but with her senior thesis completed, she

decided to take the extra time to compare the images by eye.

That's when she noticed HOPS 383's dramatic change.

"This beautiful outburst was lurking in our sample the whole time," Safron said.

Megeath's team also identified more than 300 protostars in the Orion complex using NASA's Spitzer Space Telescope. A follow-on project using the European Space Agency's Herschel Space Observatory, called the Herschel Orion Protostar Survey (HOPS), studied many of these objects in greater detail.

Upon Safron's discovery, the team gathered additional Spitzer data, Herschel observations, and images from ground-based infrared telescopes at the Kitt Peak National Observatory in Arizona and the Atacama Pathfinder Experiment in northern Chile. Their findings were published in the Feb. 10 edition of the *Astrophysical Journal*.

"The immediate impact for star formation studies is that astronomers are going to have to revisit our theories to explain how such a young object can have this kind of outburst," Fischer said.

## Economically speaking



Photo by Daniel Miller

Dr. Daniel M. Johnson, UT president emeritus, gave the keynote address March 27 at Leading Economic Development: A Seminar for Local Public Officials and Civic Leaders at the Radisson Hotel on Health Science Campus. He based his remarks on his new book, *Leading Economic Development: A Toolkit for Public Officials and Civic Leaders*, which was published by UT Press. Former Ohio Lt. Gov. Lee Fisher also spoke at the half-day seminar, which was sponsored by the UT Urban Affairs Center and UT Press.

# Time to toss color: Holi Toledo to return for second annual celebration April 8

By Lindsay Mahaney

**W**hen you see people covered with pink, blue, orange, red and green powder at The University of Toledo this week, you know it's time to celebrate Holi Toledo.

Holi Toledo is a campus-wide event for the Hindu religious festival Holi — a celebration known for the color thrown into the air to celebrate the coming of spring. On Wednesday, April 8, from 3 to 5 p.m., students will have the chance to participate in the event by throwing color at each other. The rain date for the event will be Wednesday, April 15.

The festival is based off the story of Prahlad, the son of a demon king, who worshipped the Hindu god Vishnu against his father's wishes. The demon Holika tried to burn Prahlad alive to prevent him from worshipping the good god, said Ajay Lingireddy, a third-year biology pre-med major and an intern at UT's Center for Religious Understanding. However, Vishnu saved his devotee, and Holika was burned alive. This battle represents the triumph of good over evil. People throw color to celebrate this triumph and to welcome spring.

"For us, the colors represent diversity — and in particular the diversity of religious and cultural perspectives at the heart of our Holi event," said Dr. Jeanine Diller, director of the UT Center for Religious Understanding.

The event will take place on the Memorial Field House lawn with booths surrounding the color zone. Each booth will be hosted by a different student organization that will offer visitors a different colored powder. There will be powder blasts throughout the event where everyone will throw their color into the air at the same time, similar to the actual holiday in India.

Attendees should wear clothes that can be stained; while the color is water-soluble, it is not guaranteed to wash out.

"Holi was the only Indian festival I grew up hearing about, but never participating in, unlike other Indian festivals, which I celebrated in my childhood here in America," Lingireddy said. "When I moved to India, Holi was even better than I could have imagined it would be. Holi is all about letting go of the past and starting afresh, and I thought it was the perfect way to bond with my new community in India."

Individuals working the booths will wear T-shirts that say "Ask me about a meaningful... tradition, story, people."

Visitors to the booths then can pick one of those choices and learn more about that culture or religion from someone who practices it.

In addition to the color and booths, Indian music and dancers will be featured.

Diller said that last year's Holi Toledo was reportedly one of the most popular diversity events at the University to date.

"We understood from the diversity staff that this was one of the best diversity events UT has ever had, given the number of attendees and degree of mixing at the event," she said. "We also heard that international students felt very at home and welcomed at UT as a result of this event — a result I hadn't predicted. And there were some meaningful exchanges going on at the tables; one person told me they talked for over a half hour with someone who had a different perspective on religion. This was all topped off by the tenor of joy at the event, which is one of the biggest effects — just to have a wonderful time enjoying the music and pelting your friends with color."

With more than 400 people in attendance last year, Diller said she expects this year's event to be even bigger.

Lingireddy added, "I am looking forward to the fact that we have more

organizations taking part than last year, so that means more perspectives, more participants, more colors and more fun."

This event is sponsored by the UT Center for International Studies and Programs, UT Indian Students Cultural

Association, UT Center for Religious Understanding, UT Office of Student Involvement, UT Office of Equity and Diversity, Toledo Community Foundation and the President's Lecture Series on Diversity.

**holi** 2015

**toledo**


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# Author to talk April 16 about new book that chronicles Toledo's glass history

By Vicki L. Kroll

**B**arbara Floyd spent one year piecing together the history of the business that led to Toledo's nickname.

In *The Glass City: Toledo and the Industry That Built It*, she follows the first fledgling company that fired up furnaces in 1888 to the triumphant reign of three powerhouses — Owens-Illinois Inc., Libbey-Owens-Ford Co. and Owens Corning Corp. — that made the town the world leader in glass production, to when that supremacy started to shatter.

"I came away from this project with a new-found appreciation for how unique Toledo was in its industrial history — the way the city produced some of the most important developments and technological innovations in industrial history," Floyd said. "Toledo companies invented the automatic bottle machine, Fiberglas, insulated glass, safety glass for automobiles, structural glass that made skyscrapers possible, glass-composite products and many others.

"In addition, the people who developed new techniques for industrial glass also helped to create the studio glass movement that produced beautiful works of art made of glass."

The director of the Ward M. Canaday Center for Special Collections was lucky to have more than 500 linear feet of records on Toledo's manufacturing glass commerce in the vault on the fifth floor of Carlson Library.

"Beginning in the 1980s, the Canaday Center has been attempting to collect records that document Toledo's most important industries," Floyd, who also serves as university archivist, said. "The first glass-related collection we acquired was the records of Libbey-Owens-Ford, the producer of window glass. A few years later, we acquired the records of Owens-Illinois, the producer of bottles, and then most recently, the records of Owens Corning, the producer of Fiberglas.

"These collections represent the most important documentation of industrial glass in the country."

Knowing that information was stored at The University of Toledo and that Floyd was the author of several local history works, University of Michigan Press Editor Scott Ham reached out to see if she would be interested in preparing a book proposal.

"While there had been historical studies of particular companies in the past, there had not been a comprehensive book that looked at the overall — and



Photo by Daniel Miller

**GLASSWORK:** Barbara Floyd will discuss her new book, *The Glass City: Toledo and the Industry That Built It*, Thursday, April 16, at 4 p.m. in Carlson Library's Ward M. Canaday Center for Special Collections.

interconnected — histories of Toledo's glass companies since the 1940s," said Floyd, who also conducted research at the Toledo Museum of Art, the West Virginia Museum of American Glass, the Center for Archival Collections at Bowling Green State University, and the Harry Ransom Humanities Research Center at the University of Texas.

It all began 127 years ago when Edward Drummond Libbey moved his New England Glass Co. to the shores of the Maumee River.

"Edward Drummond Libbey is arguably the most important person in Toledo's history," Floyd said. "Not only did he bring to the city its most important industry, but he also founded one of the most important art museums in the country. And he hired one of the most important innovators in glass technology — Michael Owens."

At age 10, Owens started working in the hot, dangerous glass factories as a "blower's dog," the name given to boys who helped glassblowers make bottles.

"I think because of his experience as a child, he began to experiment with a machine to automatically make bottles around the turn of the century," Floyd said. "After many attempts, he perfected the machine, and in 1903 he and Libbey formed the Owens Bottle Machine Company. The Owens bottle machine was called the most important advance in the production of glass in more than 2,000 years. It also helped to end child labor in the industry."

By the late 20th century, changes in glass production began to dull Toledo's once sparkling brilliance. Libbey-Owens-Ford was sold to Pilkington Brothers PLC in 1986, and ongoing asbestos legal battles forced Owens Corning to declare bankruptcy in 2000. In the book, Floyd noted Toledo was "as fragile as the product it produces."

Never was that more transparent than when the Toledo Museum of Art's Glass Pavilion opened in 2006 with its large, glass walls that were fabricated in Shenzhen, China; that reflected the globalization of glass production, according to Floyd.

"Toledo glass has changed the world. And most significantly, the industry made the city what it is today," the UT alumna said. "While the glass industry may play a smaller role in Toledo now, the history between the city and the industry should not be forgotten."

Floyd will talk about *The Glass City* Thursday, April 16, at 4 p.m. in the Canaday Center and sign copies of her book, which will be for sale for \$30 during a reception after the event.

The free, public talk is part of University Libraries' celebration of National Library Week and is co-sponsored by the UT History Department.

The 262-page work is available for \$50 from the University of Michigan Press at [press.umich.edu](http://press.umich.edu).

## Keeping the faith



The University of Toledo Gospel Choir sang "The Table" with Christian music artist Chris Tomlin during his concert last month at Huntington Center. "I think that the opportunity just shows the favor of God on our choir," said Aaron Jones, a graduate student in recreation administration and higher education, and president of the UT Gospel Choir. "There are many choirs in Toledo, and God saw fit for the UT Gospel Choir to receive this wonderful opportunity. We were certainly blessed and love to worship. Meeting Chris, Tenth Avenue North and Rend Collective and worshiping with them was another memory that we will cherish as a choir." While the group has 45 members, he said 26 singers took the stage for the special moment as some students had spring break plans.

Photo by Tim Sanderson

## Original puppet theatre production 'The Immortals' to open April 10

By Angela Riddell

The UT Department of Theatre and Film will close out its 2014-15 season with a work of puppet theatre created by Lecturer Erica Frank, a costume designer of theatre, film and commercial production, with a specialization in mask and puppetry.

"The Immortals" is a play that uses poetry, utopian myth and fantasy to craft a universe in which forces are bringing to rapid decay a world once bright, colorful and full of promise. But all is not lost; "The Immortals" is ultimately a story of hope.

The UT production brings together a talented team of students, faculty and local professionals — composing the music score, creating the voices of the creatures, bringing them to life on stage as puppeteers, and developing and building the puppets and the stage world they inhabit.

"In all of my years here in the UT Department of Theatre and Film, I have to say that this is one of the most ambitiously creative and adventurous productions we have ever produced," said Dr. Edmund Lingan, associate professor and chair of theatre and film. "This is a breathtakingly beautiful, amazing piece of theatre art and finely crafted storytelling."

Frank's poetic script tells the tale of Chang E, a pale, luminescent immortal of the moon. Displaced by the chaos that has dislodged her from her lunar home, she bemoans the unnatural terrestrial decay: "Your

life is scarcely shown and withered, from the sky I've been delivered, from moon to shadow in the day, where sun should be to light the way. On this island, once spring eternal, dark north wind has come infernal, price of freedom, dreams will cease, when poisons from planets increase."

"The Immortals" will open Friday, April 10, and run through Sunday, April 12, and Friday, April 17, through Sunday, April 19, in the Center for Performing Arts Center Theatre. Friday and Saturday performances are at 7:30 p.m. and Sundays at 2 p.m.

On opening night, the department will hold a free pre-show panel discussion, "Challenges and Hope: Theatre and Positive Change in the Age of Global Warming" at 5:30 p.m. in the Center for Performing Arts Recital Hall. Four speakers will make brief presentations, and there will be a talkback session with the audience. The speakers will be Frank; Dr. Andy Jorgensen, UT associate professor of chemistry; Dr. Patrick Lawrence, UT professor and chair of geography and planning; and Dr. Mike Weintraub, UT associate professor of environmental sciences.

Tickets to "The Immortals" range from \$7 to \$12 and will be available at the door or in advance online at [utoledo.tix.com](http://utoledo.tix.com), from the UT Center for Performing Arts Box Office and by calling 419.530.2375.



Photos by Erica Frank

**LUNACY:** Students rehearsed a scene from "The Immortals," which will feature puppetry and masks created by Erica Frank, UT lecturer in theatre.



## Raising awareness



Photos by Daniel Miller

Candace Watkins sat in the Green Chair last week for a photo with her transplant surgeon, Dr. Michael Rees, professor and vice chair of urology and director of the Human Donation Science Program, following a flag-raising ceremony in honor of Donate Life Month. The flag was raised by Ed Thebeau, security officer; and Kristin Calkins, director of trauma care at UT Medical Center. Watkins shared her story as a kidney donation recipient and encouraged others to consider organ donation. The Green Chair, an awareness tool used with Life Connection of Ohio and Community Tissue Services, represents someone who has received a second chance at life because someone else made the decision to be a donor. The chair will be on Health Science Campus with an educational display this month.

## ROTC

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upperclassmen the chance to lead a team of their peers.

“We use small unit infantry tactics as the vehicle to leadership development,” Mugavero said. “It’s more about seeing how [cadets] react to problems than it is about infantry tactics.”

On top of training and leadership exercises, cadets still have to attend their regular classes in order to get their degrees.

“The best of being an ROTC cadet is finding that balance between being a normal college student and being in ROTC,” said Cadet Command Sgt. Maj. Taylor Mathews, a senior majoring in nursing. “It’s about finding balance, time management, and not biting off more than you can chew.”

Instructors in ROTC typically help students accomplish that by making sure the cadets aren’t overwhelmed.

“The instructors know the students and we sit down with them individually, look at their schedules, and make sure that we’re not crushing them with ROTC stuff,” Mugavero said.

During their junior year, the cadets decide their future in the Army, Guard or Reserves — though they aren’t required to continue in the military, nearly all of them do and a majority of them go into the Guard or the Reserves.

Of the 15 cadets graduating this year, eight plan to go into the Guard or Reserves. Mathews is one of those cadets; she will join the Reserves so that she can put her nursing degree to work.

The other seven, including Cadet Operations Sgt. Maj. Clint Kasperski, a senior business student, will go active duty in the Army. Kasperski joined ROTC his junior year after walking into the ROTC building one day to talk to a recruiter.

Even with a later start than most of his class, Kasperski said he always felt welcome in the battalion.

“Prior to joining the program, it wasn’t weird for me to walk around by myself and do my own thing,” Kasperski said. “Now it’s very rare that I walk around without somebody else from the program.”

Mathews said her experience has been similar throughout her time in ROTC.

“The battalion in itself is a close-knit family,” Mathews said. “We spend a lot of time together — whether it’s during class or at training events. You get to know everybody on a personal level as well as a professional level.”

Both students say their time in ROTC allowed them to grow in many ways.

“What impresses me the most about the program is that it’s a lot of what you put into it,” Kasperski said. “If you take advantage of opportunities it provides, there’s really not a lot of things in your way on the path to success.”



## Stepping up

Cindy Doxie, patient registration specialist at UT Medical Center, and Rocky motivated each other for the American Heart Association’s National Walking Day last week. UT Health held an event in the Morse Center to encourage walking and signing up for this year’s Greater Toledo Heart Walk, which will take place Saturday, May 30. To join the UT or UT Health team for the Heart Walk, visit [heart.org/toledowalk](http://heart.org/toledowalk).

Photo by Amanda Benjamin



## Mathematics and Statistics Department

The University of Toledo, College of Natural Sciences and Mathematics

# Shoemaker Lecture Series

Supported by the Richard Shoemaker Funds

**Professor Steven Bell**  
**Department of Mathematics**  
**Purdue University**



### The new improved Riemann Mapping Theorem



In this series of three lectures, I will describe my mathematical life as a journey that always seems to bring me back to the Riemann Mapping Theorem of classical complex analysis. The lectures will be aimed at graduate students in mathematics who have taken a course on complex analysis.

**Lecture I:**  
**Wednesday, April 8, 2015**  
**4:00-5:00 pm**  
**UH 4410**

#### A surefire way to find new results about old things

In this first talk, I will tell the story of how my PhD thesis advisor, Norberto Kerzman, and his mentor, Eli Stein, discovered a new property of the centuries old Cauchy integral and how it has influenced the way I think about complex analysis. I have tried to use the Kerzman-Stein modus operandi in my own research, and once in a while, it has led me to find shiny new things in moldy corners of the basement of complex analysis.

**Lecture II:**  
**Thursday, April 9, 2015**  
**4:00-5:00 pm**  
**UH 4410**

#### Bergman coordinates, quadrature domains, and Riemann Mapping Theorems

The unit disc in the plane is called a quadrature domain because the average of an analytic function over the disc with respect to area measure yields the value of the function at the origin. That is and is not as special as it sounds.

**Lecture III:**  
**Friday, April 10, 2015**  
**4:00-5:00 pm**  
**UH 4010**

#### Complexity in complex analysis and Khavinson-Shapiro conjectures

How much computational effort does it take to find classical objects of complex analysis like the Poisson kernel? I will explain my quest to get my hands on these objects that involves new ways of looking at the Riemann Mapping Theorem. Solving the Dirichlet problem can be as easy as the method of partial fractions from freshman calculus!

## CommunityCare Clinic 5K to support care to underserved April 11

By Aimee Portala

The University of Toledo's Spring for CommunityCare 5K Run/3K Walk will take place Saturday, April 11.

All proceeds benefit UT's CommunityCare Clinics, which provide free health care to the uninsured and underserved in the greater Toledo area.

The clinics, which are run by UT medical, nursing, pharmacy and physical therapy students, deliver care at the Mildred Bayer Clinic for the Homeless, 2101 Jefferson Ave., and the CommunityCare Free Medical Clinic, which includes the CommunityCare Women's Health Clinic at 2150 S. Byrne Road.

Check-in will be from 8:30 to 9:15 a.m. in front of Mulford Library on UT's Health Science Campus, and the race will begin at 9:30 a.m.

Free health screenings also will be offered at the race; these will include blood pressure, glucose, BMI and more. Race

participation is not necessary to receive health screenings.

"Over the past two years, the Spring for CommunityCare 5K Run/3K Walk has registered more than 250 participants to support our student-run CommunityCare Clinics," said Sudipa Biswas, a first-year medical student and director of this year's event. "Events like the 5K and the tremendous support from members of the community allow the continued growth of the clinics as well as the medical supplies and tools necessary to provide health care to those in need."

Register at [utcommunitycare.org/race](http://utcommunitycare.org/race) in advance for \$23 until Friday, April 10, or day of the race for \$25. Details and a map will be emailed upon registration.

For more information about the CommunityCare Clinics and the race, visit [utcommunitycare.org](http://utcommunitycare.org) or contact [race@utcommunitycare.org](mailto:race@utcommunitycare.org).

## Fulbright

continued from p. 1

a new skilled generation with worldwide awareness.

Thanks to the grant, Spann will have an opportunity to advocate for the international dimension of the University while increasing UT's partnership with Japan and its institutions.

The Fulbright Program aims to increase mutual understanding between the people of the United States and those of other countries.

To learn more about the Fulbright International Education Administrators Program, visit <http://utoledo.edu/fulbrightiea>.

## UT employees may schedule graduate photos

Faculty and staff or members of their families who will graduate from UT in May and wish to have a photo taken and published in UT News may contact the University Communications Office.

Call Laurie Flowers at 419.530.2002 to schedule an appointment before Friday, May 8.

Photos will appear in an upcoming issue of the paper.

## Lecturer shows how mindfulness practices increase creativity, productivity

By Samantha Watson

At The University of Toledo, students are gaining a skill that's unique in many ways — how to tap into their creativity using mindfulness practices.

The Mindfulness and Creativity Initiative, led by UT Senior Lecturer Jay Rinsen Weik, is relatively new at the University but growing rapidly. It involves using mindfulness — the ability to be in the moment, focused and aware — to be more creative and innovative.

"The best creativity comes from a mind that is clear," Weik said. "What I'm doing is taking these two different fields and showing that they are integrated."

This initiative allows Weik to combine two of his passions. A senior lecturer in the Department of Music, Weik teaches musical improvisation and jazz, but he also is a recognized American Zen teacher.

Part of the initiative involves hosting symposia, workshops and panels. Weik will host a free, public panel discussion on the initiative and its future at the University Tuesday, April 7, at 7 p.m. in the Center for Performing Arts Recital Hall.

The panel discussion, called Mindfulness, Creativity and the Zen Arts Ensemble, will feature Dr. Wesley Bullock, UT associate professor of psychology; Irene Alby, UT lecturer in the Department of Theatre and Film; and Michael Leizerman, attorney.

Weik will give an overview of the initiative at UT, and each panelist will discuss its application to his or her field.

Another part of the initiative is a course that Weik teaches on Mindfulness and Creativity, which focuses on introducing mindfulness through meditation and breathing methods. Though the practices are based on Eastern traditions, the class does not have a religious connotation.

The class is housed in the Department of Music and offered in the summer, but beginning next fall it will be a general education course. It also may become the first of a few courses offered within a mindfulness and creativity minor available to all majors that would include other relevant curriculum and a capstone class.

"This is a multidisciplinary effort with very enthusiastic support across different

colleges," Weik said. "I think that's significant."

Those who wish to take the course, which is worth three credit hours and offered entirely online, can sign up for it this summer using CRN 42452 or email [jay.weik@utoledo.edu](mailto:jay.weik@utoledo.edu) for more information.

During Tuesday's panel discussion, Weik also will discuss the Zen Arts Ensemble, a professional music group he put together with some of his colleagues.



**AND ACTION!** Jay Rinsen Weik, UT lecturer in the Department of Music and Zen teacher, got comfortable for a segment for his online class Mindfulness and Creativity.

The ensemble plays entirely in the moment using mindfulness, with very little guidance.

"It's an incredible manifestation of the creative process," Weik said. "The music just kind of arrives."

# Business fraternity to bring fashion to campus this week

By Cassandra DeYoung

Alpha Kappa Psi, a co-ed business fraternity and UT student organization, will host a fashion show titled “A Fashion Affair” Thursday, April 9, at 8 p.m. in the Student Union Auditorium.

Doors will open at 7 p.m. for the event that will feature students from various UT organizations who will display four different outfits: business professional, business casual, women’s cocktail wear and men’s golf wear.

“‘A Fashion Affair’ will be an event that’s going to bring the college community together as one for a night,” said Christina Haddad, event organizer and UT senior majoring in marketing and professional sales. “Seeing different organizations support their fellow members who are up on stage is going to be the highlight of the night.”

Outfits will be provided by the event’s prime sponsors: Men’s Warehouse and Francesca’s Collections. Additional sponsors include Quicken Loans, Marathon Petroleum Corp., Dream Jobs, Great Lakes Sound and Lighting, Can Digital Group, Charming Charlie and Mirage Barber Shop.

“I created the event to basically share my knowledge of what I’ve learned in Alpha Kappa Psi and to promote that to other organizations,” Haddad said. “I want to take our business etiquette techniques that

we’ve used and hand that off to other people who aren’t in the College of Business and Innovation and even to people in the College of Business who don’t technically know how to dress professionally or casually.”

The show will feature a photo booth, snacks, mocktails, a DJ and a chance to win door prizes, which include ties from Men’s Warehouse and gift cards from Francesca’s and Charming Charlie.

“Besides having a love for fashion and wanting to share my passion, I also wanted the fashion show to be a way to bring together all organizations.” Haddad said. “I know we have the Big Event and other community service events where organizations come together, but we don’t have something, besides Songfest, where organizations come together and cheer each other on and that’s kind of what I wanted, while also bringing a fashion sense to the community.”

Five percent of the proceeds will be donated to Alpha Kappa Psi’s philanthropy, the Multiple Sclerosis Society.

Tickets are \$7 in advance and will be \$10 at the door.

For pre-sale tickets or more information, contact Haddad by emailing christina.haddad@rockets.utoledo.edu or calling 734.620.7537.

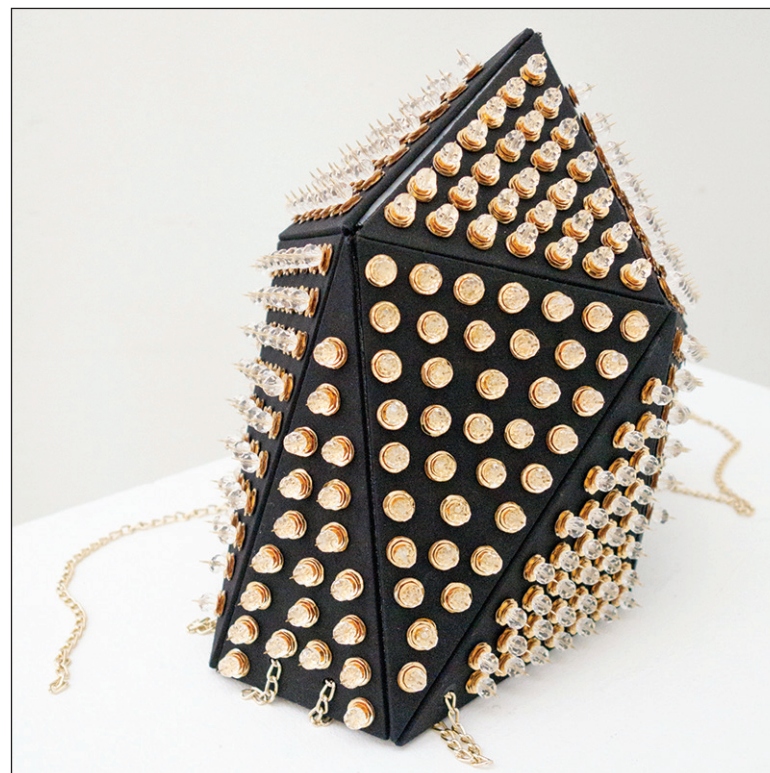
# Art, fashion collide in ‘Wearable Conditions’

Art Lecturer Brian Carpenter’s 3D Concepts: Mixed Media class will present “Wearable Conditions,” a fashion show, Thursday, April 9, at 7 p.m. in the Toledo Museum of Art Green Room.

Using a variety of mediums and technologies, students in the class have been working all semester to design and create

wearable art based on diseases, viruses and disorders, Carpenter said.

For more information on the free, public show, contact Carpenter at brian.carpenter@utoledo.edu.



**ALL THAT BLING:** This head piece created by student Mark Why will be part of “Wearable Conditions” Thursday, April 9.

Alpha Kappa Psi Presents  
**A Fashion Affair**  
Runway Show  
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To Purchase Tickets Call Or Email Christina Haddad  
Christina.Haddad@rockets.utoledo.edu | (734).620.7537

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# UT NEWS

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## Basketball player one of two student-athletes to represent MAC at NCAA Leadership Forum

By Steve Easton

Toledo's Aubrey Williams and Ohio's Abby Gilleland will represent the Mid-American Conference at the 2015 NCAA Leadership Forum Thursday through Sunday, April 9-12, in Orlando, Fla.

The Rocket basketball player is a sophomore majoring in finance with a minor in sales. The Bowie, Md., native is an active member of the Student-Athlete Advisory Committee, Black Student Union and Alpha Phi Alpha Fraternity.

Williams feels that being part of the NCAA Leadership Program will provide him with an opportunity to meet other student-athletes from across the country in a non-competitive environment.

"I am hoping to learn more about the lives and issues other student-athletes like myself are dealing with and to come away with suggestions on how to resolve them," he said.

"I am also hoping to learn the different things that other student-athletes are doing to help their schools and communities."

Gilleland is a junior volleyball player for the Bobcats. She is majoring in sports management with a minor in business administration. The Bill Valley, Ill., native is a member of the Student-Athlete Advisory Committee, has served as the team captain for

the past two years, and was named Volleyball MAC Player of the Year in 2013 and 2014.

She believes the NCAA Leadership Program will help her become a stronger ambassador for her school and the conference.

"As my collegiate career has progressed over the years, I have learned the importance of developing my athletic and academic skills, as well as the immeasurable importance of intangible characteristics such as leadership," Gilleland said. "I believe that my relationships with other athletes, Student-Athlete Advisory Committee representatives, coaches and athletic staff would greatly impact how well I could pass along what I will have learned as a result of this program."

The NCAA Student-Athlete Leadership Forum engages a diverse and dynamic representation of student-athletes, coaches, faculty and administrators. Each Division I and Division II conference office selects student-athletes from among active member schools and an administrator from the conference office to represent their conference at the forum. For Division III, the forum is open to all institutions in an identified region based on a first-come, first-served basis in the eligible region. Each eligible institution can send up to two student-athletes and one administrator.



Williams

Photo by Daniel Miller

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