

WOMEN LEAD

BARBARA JOHNSTON



Women transforming the global community

PRODUCED BY THE OFFICE OF PUBLIC AFFAIRS AND COMMUNICATIONS

As the world paused to celebrate the contributions of women to the global community on International Women's Day, March 8, the University recognized the leadership of six outstanding female faculty. These women, one from each college or school, are featured in full on womenlead.nd.edu. Their profiles (printed in part here) convey their remarkable contributions to their respective fields, and the impact their work is having around the world. The Women Lead project will be an ongoing means of recognizing the exceptional work of women who are leading and shaping our University in every area.

MARGOT FASSLER 1

Margot Fassler attended Cornell University, where she studied under top mentors

specializing in Gregorian chant and St. Augustine. The Keough-Hesburgh Professor of Music History and Liturgy and director of the Sacred Music Program, Fassler also holds joint appointments in the departments of music and theology, as well as fellowships in the Medieval and Nanovic Institutes.

"I was trained to the bit by my grandmother, an ardent Catholic, a take-no-prisoners, holy-water-at-the-door kind of woman," she says. "There's nothing as great in quality, in quantity and in its power to heal and bring people together as sacred music."

Fassler's projects include a book about Dominican nuns in the Rhineland in the 14th century, co-written with three historians. Another is a collaborative book about the role of music in the shaping of historical understanding in the Latin Middle Ages. Another project focuses on Saint Hildegard, the 12th-century German composer, theologian, artist and scientist.

"It's good to see a woman who's

a bold thinker," Fassler says of Hildegard. "She's not always a good girl. She's willing to stand up and be critical."

Fassler also makes documentary films focusing on communities of song and ritual. She and a colleague recently completed a film about Coptic chant in New Jersey. It tells the story of two Egyptian Christian cantors whose families settled there in the 1960s and how music has helped the community hold together and keep its identity.

Her central vocation since 2010 has been building the Program in Sacred Music to world-class status. That means everything from attracting more students into the program's vocal, organ and choral conducting studios to hiring a conductor to build a children's choir from scratch. Her underlying goal is to provide churches across the country with musicians who will inspire their congregations.

Fassler says women are well-represented in the music field, both in choirs and as scholars. "One of the

greatest things our program promotes are women who go into parishes and the academy and lead," she says.

TRACY KIJEWski-CORREA 2

Soaring above the Arabian Peninsula, the Burj Khalifa in Dubai holds multiple records: tallest building, highest occupied floor, longest distance traveled by an elevator, to name a few.

It is a marvel of engineering in a place known for its shamal sandstorms, which is where Tracy Kijewski-Correa comes in. The Leo E. and Patti Ruth Linbeck Collegiate Chair and associate professor in the Department of Civil and Environmental Engineering and Earth Sciences, Kijewski-Correa devised a system of advanced sensing technologies, SmartSync, which allows designers to monitor a building's responses to outside forces, such as earthquakes and windstorms.

Not that Kijewski-Correa was initially welcomed in this venture. In a part of the world not accustomed to women in engineering or in

leadership roles, her presence was acutely noticed.

She recalls her suggestions during group work as a Notre Dame undergraduate being dismissed by male classmates. Yet Kijewski-Correa also remembers the empathy of her professors who knew she was a student and the caregiver to her grandparents.

That empathy is something she now imparts to students who seek her mentorship. It's a characteristic she believes is crucial to becoming a "Notre Dame engineer."

Empathy and creative thinking drive much of Kijewski-Correa's current work developing technology to meet civil infrastructure challenges. It is estimated that up to 75 percent of the world's population will live in cities by 2050. That growth will cause cities to expand both geographically and structurally; however, little is being done to monitor these structures routinely.

Challenges are also present in the developing world. In the wake of the devastating 2010 earthquake in

continued on page 7

NEWS BRIEFS

WHAT'S GOING ON

BIDEN AND BOERNER TO JOINTLY RECEIVE LAETARE MEDAL

In recognition of their leadership, civility and dedication to our nation, the University will present two Catholic officials from opposing political parties — Vice President Joe Biden and former Speaker of the House John Boehner — with its 2016 Laetare Medal, the oldest and most prestigious honor accorded to American Catholics. The award will be presented at the 171st University Commencement Ceremony on Sunday, May 15.

Retired U.S. Army Gen. Martin Dempsey, the chairman of the Joint Chiefs of Staff from 2011 to 2015, will deliver the principal Commencement address and receive an honorary degree at the May ceremony. Other honorary degree recipients are civil rights activist Diane Nash, Notre Dame Board Chair and business leader Richard C. Notebaert, musician Arturo Sandoval, Cardinal Donald Wuerl and American Council of Learned Societies President Pauline Yu.

INAUGURAL KEOUGH CONFERENCE

The Keough School of Global Affairs has announced the inaugural Keough Conference, “For the Planet and the Poor.”

The conference, which is free and open to the public, takes place April 4-6 in the Mendoza College of Business’ Jordan Auditorium and the Hesburgh Center for International Studies.

This conference brings students and faculty together with leading thinkers from the worlds of development policy and practice, government, the Catholic Church and other religious bodies to reflect on the events of the previous year and chart a way forward.

For more information, visit keough.nd.edu/news-events/for-the-planet-and-the-poor, or contact **Michael Talbot**, program manager, Keough School of Global Affairs 631-7667 or talbot.10@nd.edu.

READ TO LEARN RECEIVES SIGNIFICANT AWARD FROM USAID

Major gains in Haitian students’ literacy skills through the Read to Learn initiative, led by Alliance for Catholic Education (ACE) — in partnership with Notre Dame’s Initiative for Global Development (NDIGD) — have earned Notre Dame a significant role as part of a \$33.4 million U.S. Agency for International Development (USAID) funded project in Haiti.

FHI 360 is the primary grantee for the 5-year Ann Ale reading



Juliano



Milenkovic



Riek



Hoelzle



Howard



Zartman



Flynn



Jumper



Corpora



Saint Jean



Cummings



Gorski

and writing program funded by USAID. The University’s successful implementation of Read to Learn, an innovative early-childhood literacy approach, prompted FHI 360 to provide ACE and NDIGD with more than \$700,000 in new support over the next four years. The funding will allow ACE and NDIGD to provide teacher training and coaching, curriculum development, and monitoring and evaluations services for the Ann Ale program.

MEN'S BASKETBALL COACHING POSITION ENDOWED

A couple from Toronto has made a \$5-million gift to the University to endow the men’s basketball head coaching position. The gift from Glenn and Stacey Murphy will help to underwrite the salary of the head coach, provide stability and resources for the long term and create funds for use within the department.

Glenn Murphy is the recently retired chairman and chief executive officer of global retailer Gap Inc.

“We are so proud to be forever associated with ND Athletics, the men’s basketball program and especially a quality individual like Coach Mike Brey,” Glenn Murphy said. “Stacey and I are excited to join the prestigious list of Canadian donors to the University of Notre Dame.”

PEOPLE

ENGINEERING FACULTY HONORED

Three faculty from Notre Dame’s College of Engineering — **Thomas Juliano**, assistant professor of mechanical engineering; **Tijana Milenkovic**, assistant professor in the Department of Computer Science and Engineering; and **Laurel Riek**, Clare Boothe Luce Assistant Professor of Computer Science and Engineering — are among the 56 engineers and scientists from 41 organizations who will be awarded grants totaling approximately \$20.6 million as part of the 2016 Young Investigator Program (YIP) of the Air Force Office of Scientific Research.

The National Science Foundation (NSF) has named three junior faculty

members in the College of Engineering — **David J. Hoelzle**, **Scott S. Howard** and **Jeremiah J. Zartman** — winners of the Early Career Development Award (CAREER). Honoring outstanding research and the integration of education and research within their individual organizations, the CAREER Award is the most prestigious award given by the U.S. government to young faculty in engineering and science.

Patrick J. Flynn, the Duda Family Professor of Engineering, professor of computer science and engineering, and concurrent professor of electrical engineering, has been selected to receive one of five 2016 Technical Achievement Awards from the Computer Society of the Institute of Electrical and Electronics Engineers. He was recognized for “pioneering techniques for biometric identification and for creating a world-class multi-biometric image database.”

Eric J. Jumper, the Roth-Gibson Professor of Aerospace and Mechanical Engineering, has been selected to receive the 2016 American Institute of Aeronautics and Astronautics (AIAA) Plasmadynamics and Lasers Award. He is being honored for “major contributions in the fields of aero-optics, chemical lasers, and laser-supported detonation, and for the mentoring of young engineers and scientists.”

FATHER CORPORA COMMISSIONED MISSIONARY OF MERCY

Rev. Joseph Corpora, C.S.C., director of university-school partnerships for the Alliance for Catholic Education (ACE), has received a mandate from Pope Francis to be a Missionary of Mercy. The Missionaries are some 800 priests worldwide selected by the pope to be special confessors and “living signs” of God’s forgiveness during the Holy Year of Mercy officially proclaimed in his letter, “Misericordiae Vultus” (The Face of Mercy), last year. Father Corpora was among those who traveled to Rome to meet with Pope Francis and to be commissioned on Ash Wednesday in a celebration at St. Peter’s Basilica.

NEW DIRECTOR FOR ST. MICHAEL’S LAUNDRY

Larose Saint Jean has been named director of St. Michael’s Laundry. In this capacity, he is responsible for the planning, organization and management of the University’s full-service campus laundry.

Previously, Saint Jean served as director of laundry for Crothall Services at Ritz Carlton Hotel, Denver. He has also served in managerial positions at other Ritz Carlton properties, including Ritz Carlton Hotel, New Orleans and Ritz Carlton Resort of Naples, Florida.

CUMMINGS TO LEAD AMERICAN CATHOLIC HISTORICAL ASSOCIATION

Kathleen Sprows Cummings, an associate professor of American studies and history and the William W. and Anna Jean Cushwa Director of the Cushwa Center for the Study of American Catholicism, has begun her term as vice president/president-elect

of the American Catholic Historical Association.

She will be the seventh Notre Dame historian to lead the national organization, which is devoted to promoting “a deeper and more widespread knowledge of the history of the Catholic Church broadly considered ... and the advancement of historical scholarship in all fields among its members.”

GORSKI BOOK HONORED

A book by **Gil Gorski**, “The Roman Forum: A Reconstruction and Architectural Guide,” co-authored with James E. Packer, has won two PROSE Awards, presented annually by the Professional and Scholarly Publishing Division of the Association of American Publishers. The book won the overall Award for Excellence in Humanities, as well as in the archaeology and ancient history category. Gorski is the James A. and Louise F. Nolen Professor of Architecture in the School of Architecture.



LIAM NEESON ON CAMPUS FOR 1916 FILM PREMIERE

Actor **Liam Neeson** stops on the red carpet to pose for local media and fans before entering the DeBartolo Performing Arts Center for the gala premiere of the documentary film “1916: The Irish Rebellion.” The film will be screened in the Browning Cinema at 8:30 p.m., Thursday, March 31. The film is free but ticketed — call the ticket office at 631-2800 to reserve seats, or visit performingarts.nd.edu. See page 11 for more information.

CONTACT US @

Comments or questions regarding NDWorks? Contact NDWorks Managing Editor Carol C. Bradley, 631-0445 (bradley.7@nd.edu) or Cidni Sanders, editor and program director for Internal Communications, 631-7031 (csander6@nd.edu). For questions regarding The Week @ ND or the University calendar, contact Electronic Media Coordinator Jennifer Laiber, 631-4753 (laiber.1@nd.edu). NDWorks is published 12 times per year. 2016-2017 publication dates are May 19, June 23, July 21, Aug. 18, Sept. 22, Oct. 27, Dec. 8, Jan. 5, Jan. 26, Feb. 23, Mar. 23, April 20 and May 18.

Tax return fraud

Protect yourself from cyber thieves

BY KOLIN HODGSON, OIT

Are you filing your taxes electronically this year? If so, you're in good company. In 2014, 82 million tax returns were e-filed by the end of March. The IRS direct-deposited \$180 billion in refunds. So it's no surprise that cyber-criminals wanted a piece of the action. And they got some!

Between 2011 and 2014, the IRS discovered and stopped \$63 billion in tax return fraud. However, the IRS paid out \$5.2 billion to tax return criminals in 2011 alone.

How does this happen?

Millions of Social Security Numbers are stolen every year. They're even available for purchase for a few dollars each if you know where to shop. The tax return criminals buy or steal Social Security numbers and use tax preparation software to create a bogus tax return.

They submit the fraudulent return with the stolen Social Security number using the IRS e-filing system,

and provide a bank account for the direct deposit. The IRS processes the claim and pays the tax return to the bank account provided. The money is then moved from account to account until it's impossible to tell where the money eventually ends up.

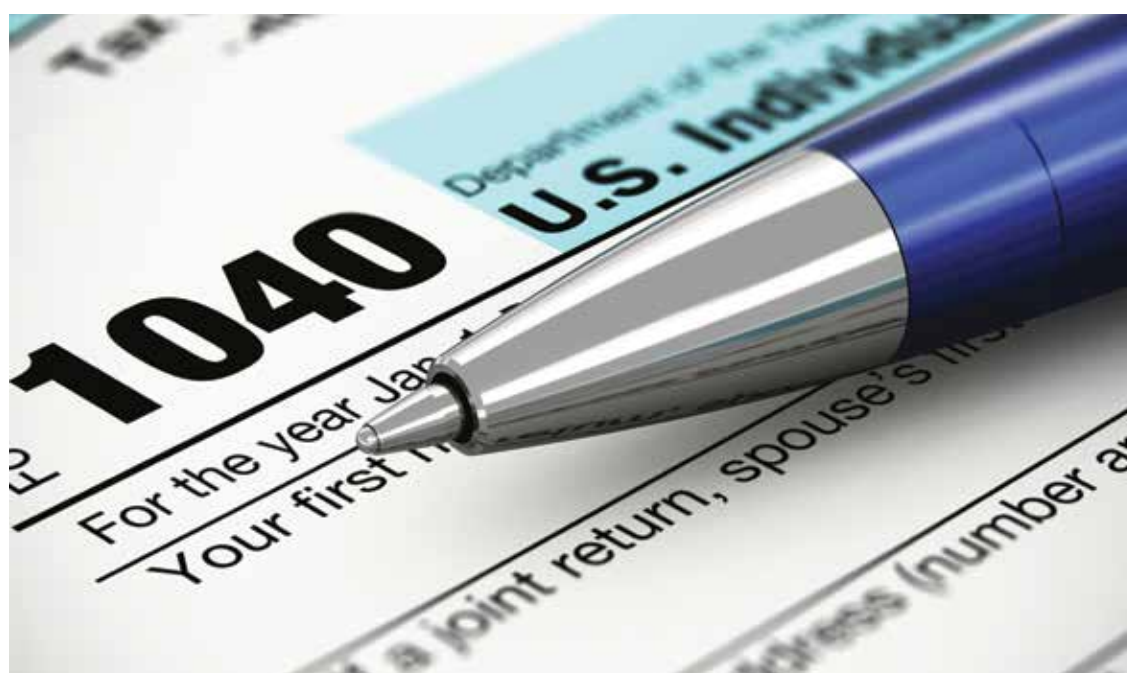
When the actual taxpayer electronically files his/her own personal tax return, the IRS sends a message saying that the tax return was already filed and the refund was sent.

What can you do?

Given the number of tax returns that are e-filed each year, this type of cyber-crime only affects a small percentage of people. But the danger is real.

Here are some tips on how to keep your tax return information safe — even when you e-file:

- **Filing early is always best.** Keep this rule in mind for next year.
- **Use an IRS Identity Protection PIN.** If you get a special Personal Identity Number, you cannot file the return unless that PIN is used to file



it. You can get one at irs.gov/Individuals/Get-An-Identity-Protection-PIN.

- **Look for extra security from your tax preparation software.** TurboTax includes additional account and security methods. If you have used it in past years, you are eligible for this added security to help prevent fraud.
- **Adjust your withholding.** It's best to keep your money through the year and have your tax return as close to zero as

possible. It won't prevent fraud, but it gives the thieves much less to steal.

- **Protect your personal information.** This is difficult to do these days, but the less you give out your personal information like Social Security number, date of birth, mother's maiden name and others, the harder it is to steal it. No legitimate company will ever ask for this information in an email.

If you have been a victim of tax return fraud, the IRS has a process for filing a claim. Contact the IRS Identity Protection Specialized Unit at 1-800-908-4490 and report the crime. You must also fill out the Identity Theft Affidavit, available at IRS.gov.

For additional information on preventing tax fraud, visit: cpost.com/business/article/Julie-Jason-Help-the-IRS-prevent-tax-refund-fraud-6827047.php.

Coming in August: New look and features for insideND

BY LENETTE VOTAVA, OIT

InsideND is a valuable resource for faculty, staff and students, providing campus resources, news and links in one convenient site.

The current insideND has been powered by the same application since 2004, and the vendor recently announced it will discontinue support for this product. As a result, the Office of Information Technologies (OIT) formed a project team to begin to look for a replacement that would meet the ongoing requests for enhanced features and a more user-friendly design.

Before choosing a replacement, the project team held focus groups that included faculty, staff and students to determine which features should be incorporated in the new application. The focus group participants agreed that the new insideND should be easy to use, mobile-friendly, searchable and allow departments to manage their own content.

The new insideND is a cloud-based service powered by OneCampus, and provides a new approach to organizing web-based services. It also has the capability to convey important, time-sensitive information to a large audience through announcements, alerts and featured tasks. For added security, insideND will also be connected to Notre Dame's Central Authentication System (CAS).

"Since selecting this new service, our team has been diligently working on site," says **John Hartman**, Portal Replacement Project team lead. "As we progress, we actively solicit feedback at 'look and see' sessions with various user groups and departments. We have also identified ways to include students in the implementation process, such as helping to collect information and create tasks to ensure a smooth transition between portals."

Watch for more communications and details about the new insideND coming soon.

Some comments from recent look and see sessions:

"I was very impressed as the insideND replacement chosen is very user-friendly for finding multiple campus services and can be accessed from any computer or device. It provides a modern experience, which you would expect and is as simple as search, click, done."
—*Vic DeCola, assistant controller*

"The modern, clean interface of the new insideND makes it so easy to quickly find what you're looking for with a quick search—on your phone or laptop!"
—*Michael McRoskey, director, Department of Campus Technology, Student Government*

University Archives joins Hesburgh Libraries

BY DENNIS BROWN, MEDIA RELATIONS

To enhance collaboration and the use of mutual resources, the University Archives has recently joined the Hesburgh Libraries, under the supervision of the Office of the Provost.

"We are pleased to welcome the University Archives into the Hesburgh Libraries family," said **Diane Walker**, Edward H. Arnold University Librarian. "Our units have collaborated throughout the years on many projects in service of the University, and this arrangement will allow the archivists, librarians and staff to leverage combined expertise in areas such as digital projects, traditional and digital preservation, collection management and global discovery."

University archivist **Wendy Clauson Schlereth** has informed the Provost's Office of her intention to retire at the end of 2017. Appointed by then-President Rev. Theodore M. Hesburgh, C.S.C., she has directed the Archives since 1978. It is fitting that she will end her tenure at Notre Dame focused exclusively on archival projects that deal with the papers of officers who were members of the Congregation of Holy Cross, including those of Father Hesburgh himself.

Schlereth will continue to report to **Chris Maziar**, senior associate provost and vice president, and work in close collaboration with **Rev. William Lies, C.S.C.**, vice president for mission engagement and church affairs. **Charles Lamb** has assumed administrative responsibility for the day-to-day operation of the Archives as interim director.

"I want to thank the staff of the University Archives for their partnership with the Office of the Provost and the excellent service, talent and dedication they provide to the Notre Dame community," said Maziar. "Together with the Hesburgh Libraries, the Archives will continue to make its important historical materials and world-class collections available to scholars at Notre Dame and around the world for years to come."

The University Archives, located on the sixth floor of the Hesburgh Library, collects, preserves and makes accessible the official records of the University of Notre Dame. In addition, the Archives, through its records management program, provides record retention and retrieval services to campus offices.

You may contact the staff at archives@nd.edu or 631-6448.

BARBARA JOHNSTON



Spring in Indiana — from 32 degrees and nearly 5 inches of snow on Feb. 25 to a high of 60 degrees on Feb. 28. University photographer Barbara Johnston captured this scene of the late snowfall, before it quickly melted.

"This is a promising new direction for insideND. A much more user-friendly future."

—*Julian Velasco, associate professor of law*

Mobile devices: Tools to enhance student education



Use of iPads in classrooms is increasing across campus.

BY MATT WILLMORE, OIT

During the last few years, adoption of mobile devices by both faculty and students has skyrocketed (more than 99 percent of the Class of 2019 uses a smartphone). But use of those devices in the classroom has seen a much different trajectory.

For a number of reasons, it is not uncommon to see students use their smartphones or tablets most waking hours but prefer pen and paper when they are in class.

There are several valid reasons for this phenomenon, including faculty concerns about students being distracted by the devices, as well as research indicating that the brain retains handwritten versus typed notes.

Some Notre Dame faculty have taken a decidedly different approach and are treating mobile devices as a major tool in how they educate students.

David Hyde integrates iPads in genetics class

David Hyde is the Kenna Director of the Zebrafish Research Center and professor in the biological sciences department. Hyde's Classical and Molecular Genetics course uses iPads extensively using a 1-to-1 model (i.e., each student has his/her own device). Hyde alerts students in the summer that iPads will be used in the course.

Students have the option of either bringing their own iPads or leasing them from Notre Dame. In partnership with Hammes Bookstore, the Office of Information Technologies (OIT) makes these devices available for a nominal fee to students in classes whose instructors have opted to use them in their course.

During class, the iPads become integral to the instruction. Hyde's classroom in Jordan Hall of Science features three projectors, each of

which the OIT has connected to an Apple TV. An inexpensive device, the Apple TV allows iPads (and other Apple products) to wirelessly project from anywhere in the classroom, making it easy for an instructor to call on any student to share their screen with the class in seconds. Not only are students engaged throughout the class, it also fosters quick collaboration and discussion.

Hyde sees this as an integral part of the learning process. "It is much more effective to do it with the students making the mistakes and broadcasting it for all the class to see and correcting the issue, rather than simply telling the students what to do and not to do, without the students making the mistake," states Hyde. With three projectors and Apple TVs, the potential exists to have three different inputs on the screens at any one time.

In addition to using iPads in the classroom, Hyde also took this

opportunity to "flip" the course and encourage iPad use outside of class sessions.

Flipping courses involves providing lectures and information outside of class time, which is then typically spent working on course assignments. Hyde recorded videos of his course (in partnership with the Office of Digital Learning); they are made available to view on the iPads. The course textbook, written by Hyde, is also available in a digital format that students purchase and read directly on the device, providing financial and environmental savings.

The result of all these changes is impressive regarding student participation and performance. "There was a significant improvement by the course on all the midterm exams and final exam relative to previous years where I did not use iPads or the flipped format," says Hyde.

Paul Helquist enhances interactivity in organic chemistry

Paul Helquist teaches a popular organic chemistry course each semester as a member of the chemistry department. Helquist's decision to use iPads in his course came from a desire to "enhance interactivity and make available subject-specific apps for visualization of concepts in real time."

Helquist was awarded grant funding to purchase an iPad for each small group in class (there are 16 groups this semester, each with up to six students), as well as devices that he and his teaching assistants use.

Through the combined use of subject-specific apps (like those for molecular modeling) and general-purpose drawing apps, Helquist was able to achieve increased student interaction, which later reflected in higher test scores. "There was a big increase in student participation and collaborative learning in class, and improved performance on exam questions," says Helquist.

Matt Willmore, mobileND program manager within the OIT's

Teaching and Learning Technologies department, works with faculty such as Hyde and Helquist to get the most out of these devices in the classroom.

Willmore also cautions that while there are tremendous upsides, "It's not as simple as giving each student an iPad and hoping for this best. Care and attention need to be given to understand how a device can best enhance the course experience, improve retention of information, and allow for better interaction between instructor and student."

He adds, "We're fortunate to have passionate faculty at Notre Dame who understand this at a fundamental level and have been able to use mobile devices in class in very novel and engaging ways that greatly benefit students' success."

Hyde agrees: "I think using mobile technology is a novel and powerful tool that can be used in the classroom to enhance the learning environment. However, they must be used properly. The instructor must keep the students engaged on the material and continue pushing the pace of the class, so the students do not have time to misuse the technology."

Use of mobile devices extends far past science courses; during the past two years they have been used for courses in choral conducting, journalism, Italian, visual and web design, writing and rhetoric, and economics. iPads are even used by the Alliance for Catholic Education during its summer courses.

The future of mobile devices in the classroom remains potentially transformative. As technology continues to evolve, so will the needs of the student. Additional faculty use of mobile devices for teaching and learning will help Notre Dame best understand how to maximize the impact of these devices.

More information on using mobile devices in classes is available by contacting the mobileND Program at mobile@nd.edu, or by visiting its website at mobile.nd.edu.

Father Jenkins: Our compass points south

University president leads University delegation to South America

BY THE OFFICE OF PUBLIC AFFAIRS AND COMMUNICATION

University President **Rev. John I. Jenkins, C.S.C.**, led a University delegation on a six-day trip to three South American countries recently in order to strengthen Notre Dame's presence in academic, Church and government sectors there.

"For too long, the United States and its best universities looked east to Europe and more recently to Asia for valued partnerships. Let me assure you, the compass at Notre Dame now points south," Father Jenkins said in Sao Paulo on Friday. "That orientation is critical for understanding the changing demographics of the United States. It is critical for higher education. And it is critical for the future of the Catholic Church in the United States. It is also critical

in confronting economic and social issues of the Americas, South and North; and in supporting Catholic education in both hemispheres on how to come to terms with providing the great equalizer – a fine education like Notre Dame's – to rich and poor alike."

The trip began Sunday, March 6, in Santiago, Chile, where the delegation spent three days meeting with government and academic leaders. Highlighting the trip were extended meetings with Chilean President Michelle Bachelet and with Cardinal Ricardo Ezzati, archbishop of Santiago, who also serves as the great chancellor of the Pontifical Catholic University of Chile. He was appointed cardinal by Pope Francis in January 2014.

From Chile, the Notre Dame leaders spent two days in Buenos Aires, Argentina, meeting with university, Church and corporate officials.

Capping off the trip, the delegation spent two days in Sao Paulo, Brazil, where Father Jenkins

addressed civic and academic leaders on everything from joint Brazil/Notre Dame research on the Zika virus to the importance of value-based education.

"As a global university, Notre Dame must be engaged around the world to develop and expand research opportunities for faculty and students and to build relationships with civic organizations and the Church," said Father Jenkins. "Latin America is vitally important to our future."

In a speech at the American Chamber of Commerce in São Paulo, Father Jenkins announced that University officials are actively examining potential sites in São Paulo to establish another Notre Dame Global Gateway to join those in Jerusalem, Rome, Dublin, London and Beijing.

The delegation included **Thomas G. Burish**, the Charles and Jill Fischer Provost, **Nicholas Entrikin**, vice president and associate provost for internationalization and **Ann**



President Rev. John I. Jenkins, C.S.C., Ignacio Sanchez, president of Pontificia Universidad Católica de Chile, and other leaders from Notre Dame and PUC meet in Sanchez's office. The leaders held a number of meetings about current collaboration and future cooperation on everything from student and faculty exchanges to combined research.

Firth, chief of staff to the University's president.

Over the past decade, Notre Dame has seen a significant increase in undergraduates and graduate students from South America. Currently, more than 230 students from Latin America and the Caribbean

attend Notre Dame. In 2015, 37 percent of first-year international students came from Latin America and the Caribbean, compared to 6 percent for all U.S. colleges and universities.

To Cure and Beyond: Annual Relay for Life is April 15



Stephanie Terpening (left) and Linda Kroll at the Compton Family Ice Arena. Terpening and Kroll, both cancer survivors, are honorary co-chairs of this year's Relay for Life.

BY GENE STOWE, FOR NDWORKS

Notre Dame's annual Relay for Life, which has attracted thousands of people and raised nearly \$1.5 million for the American Cancer Society, will honor cancer-fighting superheroes this year with new activities and the theme "To Cure and Beyond."

The event takes place from 5 to 11 p.m. Friday, April 15, in the Compton Family Ice Arena, where decking on the main ice will expand activity space. Registration is \$10, free for children 12 and younger.

Among other things, participants can Eurobungee and "fly like a superhero," have a customized superhero photo taken courtesy of TapSnap and enjoy interactive superhero-themed games and activities.

Event co-chairs, **Jessica Brookshire** and **Roberta White**, say the theme aims to boost participation for the Relay. Costume attire is encouraged, but not mandatory.

"There are so many superheroes among us," says White. "Survivors, caretakers, doctors and family members. We thought this would be a great way to engage others and create awareness for the cause. It's not just about today. It's about finding a cure and eradicating cancer."

Everyone has a personal superhero they want to remember or honor. Those names can be submitted at relay.nd.edu and will be displayed on a scrolling list on the Jumbotron the night of Relay.

The Relay's own superheroes are co-chairs **Linda Kroll**, an associate vice president of finance who was diagnosed with leukemia in 2013 and spent a year successfully fighting the disease, and **Stephanie Terpening**, a senior who beat Stage IV Burkitt's lymphoma with an intense regimen of chemotherapy when she was 8.

Kroll and **Samantha Teach**, a professor in the School of Architecture who lost a nephew to cancer, have started a campus chapter of Be the Match, an international registry of people willing to be bone marrow donors. Relay participants can join the registry with a simple cheek swab.

Other attractions include a mobile auction, hockey tours, ice skating, ice carvings, cookie decorating, cooking demonstrations and caricature drawing. Food will be available from CJ's Pub, Ben's Pretzels, Smoothie King, Campus Dining and Centerplate. Luminaria will be lit at 9 p.m. in honor and memory of those who have fought cancer.

Purple Week, the week leading up to the event, will build excitement and offer more opportunities to participate. Purple lights will shine on the "Word of Life" mural (Touchdown Jesus) on the Hesburgh Library.

Activities include:

- Purple treats and information tables in the North and South Dining Halls during dinner on April 11, sponsored by Campus Dining and the American Cancer Society Student Club.
- A Zumbathon sponsored by RecSports at the Rockne Memorial, 6-8 p.m. on April 11.
- A Medical Foundation Blood Drive April 12 and 13 at Rolfs Sports Recreation Center.
- A screening of "Miss You Already" in Browning Cinema, DeBartolo Performing Arts Center (DPAC) at 8 p.m., April 13, sponsored by the DPAC and the Harper Cancer Research Institute.
- Superhero ice skating, 8-10 p.m., April 14 at Compton Family Ice Arena.

For more information, visit relay.nd.edu.

SUPPORTING 'BE THE MATCH'

BY GENE STOWE, FOR NDWORKS

When **Linda Kroll** needed a donor match for a bone marrow transplant to fight her acute myeloid leukemia in 2013, she found out that both of her brothers were perfect matches. They scored 10-for-10 on compatibility (the minimum requirement is eight), and her younger brother donated 40 million stem cells in three hours, far more than the necessary 5 million.

Kroll, who had run a half marathon a few months before her diagnosis, was quickly back on track. While she was in the hospital, she walked two to four miles a day; six months later, she ran a 5K; six months later, a 10K; nine months later, a half marathon. Last May, she ran a marathon to benefit the fight against leukemia and raised almost \$12,000.

"The reason I ran for other people is twofold – it was very inspiring to me to give back after having been through the treatment myself, and it's also harder to quit when you're running for somebody else," she explains. "I just felt very, very blessed. I feel like God gave me the strength to stay strong, blessed me with an incredible support network, especially my family, and led me every step of the journey. I'm a big believer in the power of prayer."

"The Notre Dame community rallied to support us in so many ways," says Kroll, who has worked 18 years at the University. She and her husband **Doug**, senior director of finance and administration in the Office of Information Technology, have two children, Evan and Megan, at LaSalle Academy in South Bend.

Now Kroll, who returned to work in September 2014 after a year away for treatment and recovery, is honorary co-chair of this year's Relay for Life to raise more money for fighting cancer. She also supports the Be the Match student group on campus to sign up potential bone marrow donors on the donor registry.

Kroll herself had joined the registry about 20 years ago when a local boy was seeking a donor. She knows that her brothers' match, a 1-in-4 chance, is a rare blessing – someone is diagnosed with a blood cancer every three minutes, and many die while waiting for a transplant.

"I thought if I could save someone's life, it was a pretty easy thing to do to give back, and I hope to raise awareness so that others might do the same," she says. "You really could be someone's superhero."

Senior committed to fighting cancer

BY GENE STOWE, FOR NDWORKS

A brief, intense fight against Stage IV Burkitt's lymphoma when she was 8 years old left **Stephanie Terpening** cancer-free and committed to fighting cancer for the rest of her life. This year, Terpening, a senior majoring in biological sciences and English, is honorary co-chair of Notre Dame's Relay for Life.

"It's a great cause," says Terpening, who spoke at the Relay's closing ceremony when she was a sophomore and is involved in the Fighting

Together campus group of survivors who reach out to others. "I had an aggressive type in the sense that it's very fast-growing, but the treatment is really quick," with weekly chemotherapy for four months that freed her body from the illness.

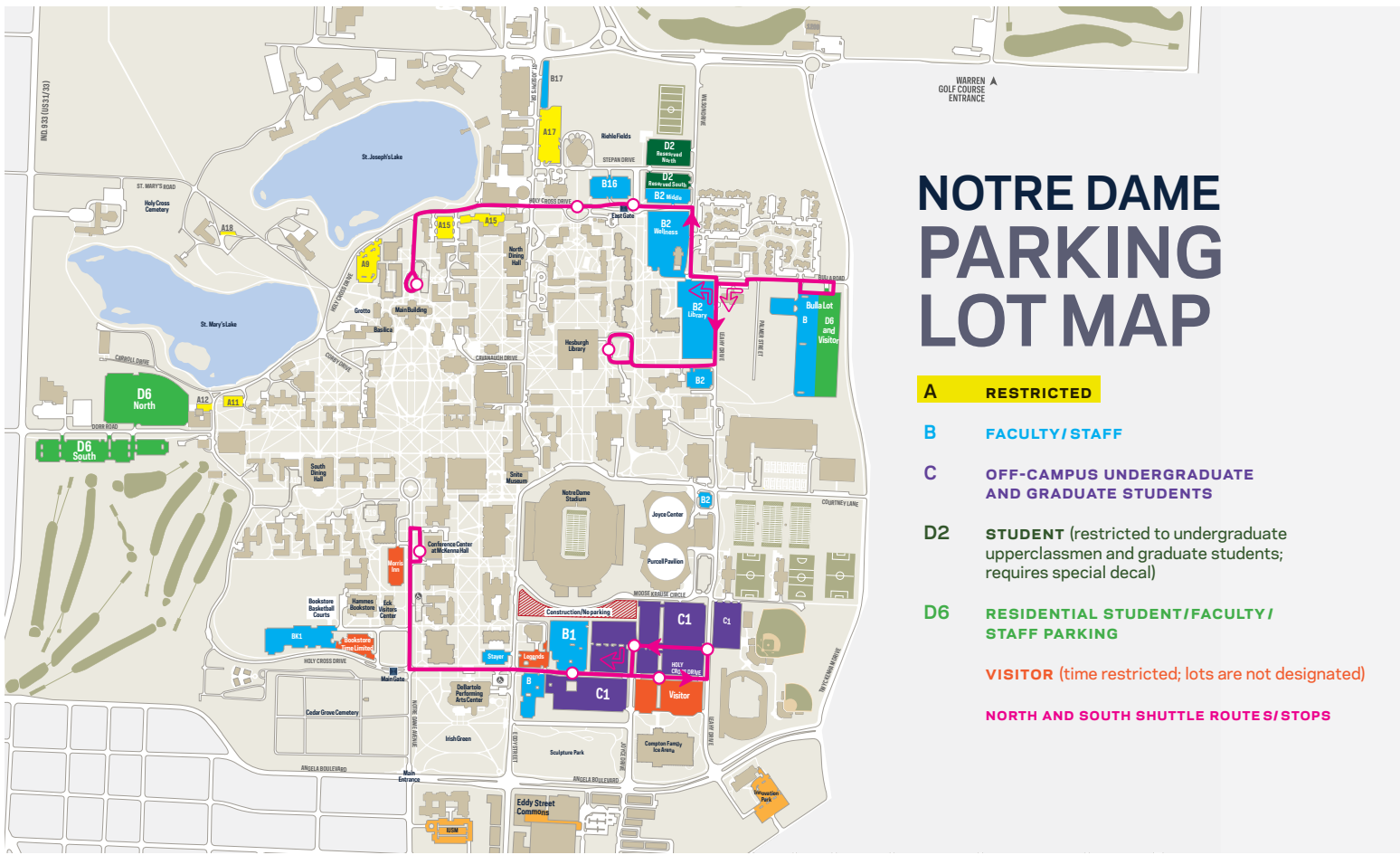
Terpening, who grew up in the Bay Area of California, was considering medicine or cancer research when she came to Notre Dame to study biology, although she added an English major because she "missed the humanities a lot, using that other part of your brain."

She won a grant to conduct research at the Harper Cancer Research Institute, and she helped open the first children's cancer hospital in Mongolia while conducting research there one summer.

The Mongolia experience, where lack of a financial plan left the institution without important diagnostic equipment, led Terpening to see the importance of finance in fighting cancer. She has accepted a job in investment banking in San Francisco after graduation.



University asks for help in solving parking issues



want to hear from our staff, our faculty and our students. We need to know the issues facing those who drive, carpool, bike or walk to work. We care about the experiences of our community members who ride the campus shuttle and who use public transportation. All of this feedback will be essential to developing recommendations that make life a little easier for all of our campus community.”

Affleck-Graves said the University must remain a pedestrian-friendly campus, with walkways that are safe and attractive as well as gathering places that provide opportunities for interaction and dialogue. In addition, the committee will consider the environmental, social, economic and aesthetic impact of its recommendations.

Be a part of the solution

Members of the Notre Dame community are encouraged to provide comments or suggestions that will help the Parking Committee reach a solution that improves the quality of the campus experience. You can:

- Share your experiences with someone who is part of the University’s Parking Committee.
- Email your feedback to the Parking Committee at parkingfeedback@nd.edu.
- Contact Kyle Johnson, director of finance and administration for Notre Dame Security Police at 631-5047.
- Complete the Parking Committee’s suggestion form. Visit ndsp.nd.edu/parking-and-traffic/2016-parking-committee to get started. You are welcome to include your name and contact information for follow-up, or you may choose to remain anonymous.

The committee plans to consider feedback throughout the spring, but especially at the committee meeting planned for April 18. The committee will submit its recommendations to Affleck-Graves by the end of the summer.

For more information, visit the Committee website at ndsp.nd.edu/parking-and-traffic/2016-parking-committee.

Faculty, staff and student input can inform committee recommendations

BY CIDNI SANDERS, INTERNAL COMMUNICATIONS

As Notre Dame’s campus is growing, so, too, are the complications caused by such expansion.

For more than two years, crews have been working to build new research and teaching facilities, undergraduate residence halls, a new student center and digital media center. It is hard to argue that this type of growth is anything but positive for a University. But, in an effort to keep the new facilities close to where the Notre Dame community lives, studies, teaches and works, former parking lots are being displaced.

The University has taken several steps to ensure that there is enough parking across campus to meet the needs of those who come to campus, yet many have shared their frustrations with accessing a parking space in close proximity to their destination and then getting there as quickly as they once could.

Now, faculty, staff and students are being asked not to focus on the current parking constraints, but to consider short- and long-term solutions that make it easier for people to get to and navigate around campus.

“Each of you comes to campus every day, and most of you have to park; so I know this is an important issue,” the University’s executive vice president, John Affleck-Graves, told the audience at a staff Spring Town Hall meeting in February.

Affleck-Graves recently expanded the University’s Parking Committee to gain broader representation and input. He has asked the committee to review surface lot parking across campus, shuttle service to the north and south sides of campus, the reserved parking pilot program, and the feasibility of building and maintaining a parking garage.

“This is an opportunity not only to ask for feedback, but also implement what we can to improve parking on campus,” said Affleck-Graves. “We

COMMITTEE MEMBERS

Mike Seamon
associate vice president,
Campus Safety (chair)

Amy Barrett
the Diane and M.O. Miller II Research
Chair in Law, Law School

Peter Bauer
professor of electrical engineering,
College of Engineering

Matthew Blazejewski
senior advisor,
Office of the Executive Vice President

Brian Coughlin
associate vice president of student development,
Student Affairs

Hal Culbertson
associate dean for operations,
Keough School of Global Affairs

Monique Frazier
ADA program manager,
Office of Institutional Equity

John Gaski
associate professor of marketing,
Mendoza College of Business, and
Student Affairs chair, Faculty Senate

Andrew Helmin
incoming University Affairs representative,
Student Government

Phil Johnson
chief of Notre Dame Security Police and
director of Emergency Management

Kyle Johnson
director of Finance and Administration,
Notre Dame Security Police

Ray’Von Jones
outgoing Diversity Council representative,
Student Government

Rob Kelly
associate athletic director for ticketing
and technology, Athletics

Greg Kucich
professor of English, College of Arts and Letters

Brian Levey
teaching professor, Mendoza College of Business

Doug Marsh
associate vice president and University architect,
Facilities, Design and Operations

Monica Markovich
analyst, Office of the Executive Vice President

Sarah Misener
associate vice president, Campus Services

Susan Monroe
officer assistant, Notre Dame Research,
and chair of the Staff Advisory Council

Patrick Munday
outgoing University Affairs representative,
Student Government

Les Niedbalski
parking and traffic operations manager,
Notre Dame Security Police

Marty Ogren
associate director of Warehouse,
Delivery & Transportation, Campus Services

Drew Recker
incoming Athletics representative,
Student Government

Sayanty Roy
chair of Quality of Life Committee,
Graduate Student Union

Sharon Struck
administrative coordinator,
Office of Information Technology

Rebecca Surman
associate professor of theoretical nuclear physics
and astrophysics, College of Science

Sean Vilanova
co-vice president, Graduate Student Union

3 
shuttle routes

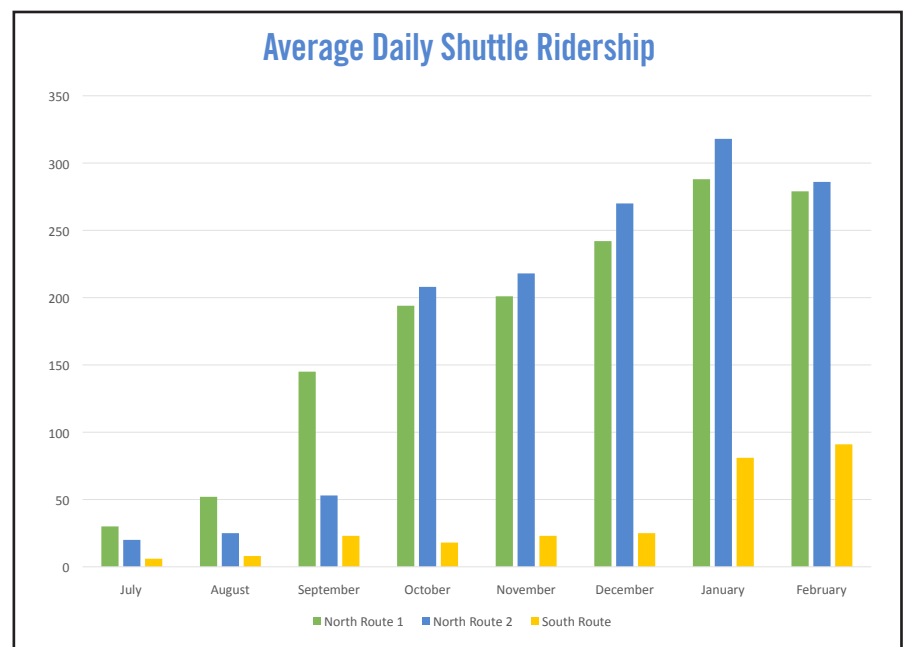
North Route 1 provides service to Grace Hall and the Main Building. North Route 2 goes to the Hesburgh Library. The South route takes riders to McKenna Hall.

15 
minute schedule

Each shuttle route is completed in approximately 15 minutes. The free service begins at 7 a.m. and ends at 7 p.m. weekdays.

687 
avg. daily riders in January

Average number of daily shuttle riders in January, the busiest month for shuttle traffic thus far in the 2015-16 academic year.



Women transforming the global community

continued from page 1

Haiti, Kijewski-Correa helped create Engineering 2 Empower (E2E). The guiding principle of E2E is to build the capacity of Haitians to construct safe, affordable homes that allow them to become self-reliant.

“That’s what Notre Dame engineers should be doing. We’re not chasing money and fame. We’re solving problems that affect people in an intimate way.”

ANI APRAHAMIAN 3

For nearly three decades, **Ani Aprahamian** has worked to spread her love of science at Notre Dame. As the Frank M. Freimann Professor of Physics, she runs a lab that uses two massive particle accelerators to gain an understanding of the elements of the universe. Her team of 20 physicists attempts to duplicate the nuclear processes that determine how stars evolve and create thermonuclear explosions observed as novae and X-ray bursts.

“I used to give talks and say ‘follow the light,’” she says. “The only light you can see from stars is the result of nuclear reactions. But there is a lot of matter that we don’t see light from: dark matter and dark energy. At our lab here, we specialize in this overlap between nuclear physics and astrophysics.”

It was a high-school physics teacher who saw her talent in science and pointed her in that direction. The daughter of a tailor and a seamstress, she was the first in her family to attend high school or beyond.

After earning her doctoral degree and completing a stint at a national laboratory, Aprahamian came to Notre Dame in 1989.

Being a woman in a male-dominated field, she says, can be a precarious advantage. “You get noticed faster, you get a lot more attention for your work,” she says. “It has its adverse side effects, too. If you do something wrong, that also gets noticed faster.”

Aprahamian has been instrumental in gaining support for major research efforts, such as a \$10 million National Science Foundation grant for JINA, the Joint Institute for Nuclear Astrophysics, and the Nuclear Science Laboratory at Notre Dame, last funded at more than \$6.2 million. She has also served as a chair of the scientific council at GANIL

in France and as a reviewer for the Institute of Physics in the United Kingdom. She served at the National Science Foundation in Washington from 2006 to 2008.

MARY ELLEN O’CONNELL 4

“I grew up as a Catholic always thinking about the pope and praying for peace,” says **Mary Ellen O’Connell**, the Robert and Marion Short Professor of Law and research professor of international dispute resolution at the Kroc Institute for International Peace Studies.

O’Connell’s research focuses on the areas of international law on the use of force, dispute resolution, and international legal theory. “The single most important reason to prevent and end armed conflict is to avoid extraordinary human suffering,” she says. “Most people are aware of the physical and psychological injury. That level of suffering should just never happen.”

“That’s why I think that all of us should have this as a goal. We have the tools. We know how to prevent and end this kind of violence.”

O’Connell seeks to use education to encourage people toward non-violent answers. “To pick up arms and respond by violence, this is not the way forward,” O’Connell says. “Peaceful means — peaceful protest, persistent, peaceful demands take longer — but those means are far more effective.”

Without that focus on peaceful means, O’Connell says, outcomes look more like the Ukraine and Syria.

At Notre Dame, O’Connell says she enjoys being in a place where both her work and her faith can flourish. “My interests in the particular area I work is out of my Catholicism, and I find constant refreshment and support at Notre Dame,” she says.

After earning a bachelor’s degree from Northwestern University, she was the first student from Northwestern to earn a Marshall scholarship and studied at Cambridge University. There she studied international law with the leading scholar on the use

of force at the time. She later earned her juris doctor from Columbia University.

“Where I think I have made a difference is in reminding people of what the law actually says and why it’s important to be faithful to that understanding, not diluting or dumbing down the law in order to achieve short-term policy goals in using military force,” she says. “I know I’ve at least been able to keep the conversations more honest.”

ANN TENBRUNSEL 5

Before the stock market crisis of 2008, before Enron and WorldCom; before “Ponzi scheme,” “subprime” and “Madoff,” **Ann Tenbrunsel**, the David E. Gallo Professor of Business Ethics, was publishing research on what causes people to behave unethically.

“People get why it’s important to the bottom line now,” Tenbrunsel says.

That’s not to imply people always behave now. In fact, much of Tenbrunsel’s research focuses on the gap between how people say they’ll act and how they do act in the moment of truth. Tenbrunsel calls these gaps “blind spots,” and her book by the same title takes a deep dive into how they arise and what to do about them.

“It’s not that people don’t have values,” Tenbrunsel says, “but they fail to account for the strain on these values in the moment of decision.” Tenbrunsel frames this tension as the difference between the “should self,” which predicts how a person will act in a given situation based on the values they espouse, and the “want self,” which is typically silent during this planning phase but emerges

forcefully at the time of action,

reminding the person of their own self-interest and desire.

Most people believe they will do the right thing, but few realize the wide array of influencers that will be present when it comes time to act. “All of that leads to what we call ethical fading at the time of the decision,” Tenbrunsel explains.

Ethical fading becomes especially problematic when people no longer see business decisions as ethical decisions. It is a problem that transcends industries and borders. Last spring, Tenbrunsel convened a conference at the London Global Gateway to discuss the intersection of the title topics on behaviors exhibited in and outside of business.

Tenbrunsel continues to share her research globally to receptive audiences and was named one of the 100 Most Influential People in Business Ethics by Ethisphere, a leading business ethics publication and watch group.

The recognition is well received, but Tenbrunsel notes she is one of many Notre Dame scholars whose work emphasizes the fact that success and ethical behavior need not be mutually exclusive.

“At Notre Dame, I don’t have to ‘sell’ this approach or argue for its legitimacy,” she says. “It is embraced as a concept fundamental to our mission.”

KRUPALI KRUSCHE 6

Krupali Krusche speaks of the buildings she’s been documenting since 2007 — the Tombs of Agra, the Roman Forum and the Taj Mahal — not as part of some grandiose field of study, but through the simple definition of architecture — the creation of a habitat and living environment for people.

At Notre Dame since 2005, Krusche appreciates the School of Architecture’s neoclassical instruction that focuses on conservation and investment. “I was so excited to work with people who work with traditions,” she says.

In Romania, she’s been leading teams of students to study 16th-

century Transylvanian villages. The pastoral societies in these locations, like villages her teams have studied in rural Nepal, are untouched by modern development.

“These people have chickens from their neighbors. They get milk and bread from other neighbors. They have no shops in the area,” she says. “We want people to understand that the local, sustainable lifestyle in these villages is much better than the bigger, mall-type lifestyle we have today.”

That self-sustaining model has been threatened recently by modernization and political developments. These villages are expected to comply with modern laws and codes in the European Union that aren’t easily adaptable to the way these people have lived for hundreds of years. Krusche is working to raise awareness that modernized ideas or laws may destroy the way of life in these villages.

Preservation is the common thread in all of Krusche’s projects. In 2007, the School of Architecture established DHARMA, the Digital Historical Architectural Research and Material Analysis, with Krusche as its director. DHARMA uses 3-D laser scanners to digitally preserve World Heritage Sites.

If these sites fell prey to disaster, 3-D scans would provide the blueprint to restore or reconstruct them with detailed insight into their composition and construction.

Up next, Krusche will begin work on the Vatican’s Belvedere Courtyard. When the work is complete, the Vatican will be presented with a 3-D picture to allow those who will restore the courtyard to understand, read and study the space in a visual way.



SERVICE ANNIVERSARIES

The University congratulates those employees celebrating significant service anniversaries in **April**:

40 Years

Elizabeth M. Wajszczuk,
Office of Housing
Richard J. Warner, Utilities—
Operations

35 Years

Richard S. Nix, Vending

30 Years

Phetsamone Nasladadi,
Custodial Services
Sharon L. Szucs, OIT
Michael C. Wiescher, Physics

25 Years

Guy J. Gorbitz, Food Services,
South Dining Hall
Michael P. Manijak, Office of
Director, Maintenance

20 Years

Howard L. Busfield, Food
Services Support Facility
Charles T. Hurley, Registrar
Giuseppe M. Macerata, Food
Services, North Dining Hall
Sharon K. Riffle, St. Michael's
Laundry
Cynthia A. Voll, Center for
Social Concerns

15 Years

David Enyeart and **Rebecca S.
Price**, Hesburgh Libraries

Carla L. Gruse, Risk
Management and Safety
Glenn Hayes, Utilities—
Operations
Joshua D. Ingle, Performing
Arts Administration
Mai K. Izzedin and **Tomas
Navarrete**, Food Services, North
Dining Hall
Debra A. Jessup, Athletics
Ticketing
Clint Manning, Electrical
Engineering
Teresa R. O'Connor,
Direct Mail
Virginia R. Palmerin, Food
Services, Moreau Seminary
Matthew Riem,
Investment Office
Julian Smreczak, Office of
Director, Maintenance
Farida A. Suhardjo, Human
Resources
Joyce A. Yeats, Computer
Science and Engineering

10 Years

Julia M. Alvarez-Wade and
David Hess, Custodial Services
Vickie Anderson and **Aaron
Blight**, Payroll Services
Gregory G. Dugard, Gift
Planning Administration
David P. Konkey, Morris Inn
Cody Risedorph,
Golf Course Administration
Kevin Stout,
Turbomachinery Facility

'Plant it for the planet' on Earth Day

Events include seed
giveaways, walking tour

DANA BAKIRTJY,
OFFICE OF SUSTAINABILITY

On April 22 the University
celebrates the 46th observance of
Earth Day with events and activities
to engage the campus community.

Events start early — flower seed
packets will be given away on all
campus shuttle routes, and riders are
invited to take them home to plant.
The flowers that bloom will help
support natural pollinators across
Michiana.

Throughout the day, Campus
Dining will be offering Earth Day
food-and-drink specials in campus
eateries and dining halls. Specials will
feature local and vegetable-centric
options, including roasted squash
strudel, vegan carrot cake and bison
burgers. These items have a smaller
environmental footprint than many
traditional offerings and allow Notre
Dame to give back to the Michiana
community by buying local.

Campus Dining works to
discourage waste and encourage
the reuse of cups every day with a
25-cent discount for reusable cups
in most campus eateries. In honor
of Earth Day, the discount will be
doubled to 50 cents per drink.

During the lunch hour, the
campus community is encouraged
to get out of the office to attend two
free outdoor events:

- Free yoga class at the St. Joseph
Beach dock from noon to 1 p.m.,
led by a certified RecSports yoga
instructor.
- A guided walking tour of some of



Notre Dame's best-known, award-
winning and interesting trees is
also offered. A popular event in
the past, the tour will be led by
Barbara Hellenthal, curator of
the Museum of Biodiversity and
Greene-Nieuwland Herbarium,
and author of "Trees, Shrubs, and
Vines on Notre Dame's Campus."
Space is limited. Please register
in advance for this lunch-hour
activity (green.nd.edu).

Earth Day will also include the
announcement of the winners of the
Children's Sustainability Artwork
Contest. Open to all young family
members of Notre Dame's faculty,
staff and students, the contest
invites children to portray what
sustainability means to them by
submitting original artwork that
focuses on the theme of "plant it for
the planet."

For more information about Earth
Day, visit the Office of Sustainability's
website, green.nd.edu.

NEW EMPLOYEES

The University welcomes the following employees who began
work in **February**:

Richard A. Aguilera,
Biological Sciences
Tanner A. Andrysiak,
Nicholas Hathaway and
Jeff J. Wiczorek, Office of
Director, Maintenance
Justin N. Bock,
Research Cores
Harland L. Bower Jr.,
Football
Rena E. Chapman,
Au Bon Pain, Hesburgh
Library
Samantha C. Dashineau,
Psychology
Lindsay M. Davis, Shared
Services, OIT
Lacy M. Dickerson, Legends
Christina M. Essman, OIT
Ashley M. Gerard,
Development

Megan J. Hall,
Medieval Institute
Eleanor M. Kuhns,
Alumni Association
Stephanie M. Kwist,
Ashley N. Meece and
Cyndy L. Paliga, Morris Inn
Tracy N. Rendall,
Kellogg Institute
Arthur L. Ruehle and
Larose Saint Jean, St.
Michael's Laundry
David W. Sammons,
Customer IT Solutions
Ruth K. Tillman, Hesburgh
Libraries
Cheng Wang, Sociology
Olivia M. Williamson,
Art, Art History and Design



The Office of Sustainability invites all young family members of the Notre Dame community to join the conversation
about sustainability and submit original works of art that focus on the theme of "plant it for the planet."

Submissions should be fully created by the child and can be a painting, drawing, collage or other two-dimensional
work not exceeding 11 x 17 inches. Submissions will be accepted starting Friday, April 1, and will be accepted through
Wednesday, April 20. To submit, email a scanned version of the artwork to green@nd.edu with the entry form found in
the Contest Kit on the Office of Sustainability's website, green.nd.edu.

Winners will be selected from three age groups: Grades Pre-K-2, 3-5, and 6-8. All submissions will be posted on the
Office of Sustainability website, as they are received throughout the contest period.

Winners will be decided by popular vote by the campus community. All entries will receive a participation prize,
and winners will receive prizes from the South Bend Cubs, the Potawatomi Zoo, and the City of South Bend
Department of Recreation.

from the
NOTRE DAME WELLNESS CENTER

Hypertension: The 'silent killer'

A Q&A with Chronic Condition Manager Maureen Jamieson

Q: What is hypertension?

A: Hypertension is simply the medical term for high blood pressure, a high level of force exerted by the blood on the artery walls. Ignoring hypertension can lead to many health complications such as heart failure, coronary heart disease, aneurysms, eye damage/blindness, kidney failure, heart attack, stroke and even death.

Q: How do I know if I have hypertension?

A: Hypertension is sometimes called the "silent killer." It has no symptoms, so the only way to know is to get tested.

Q: What increases the risk of hypertension?

A: A family history of cardiovascular disease is the main risk factor. But many lifestyle choices, such as smoking, a lack of regular exercise, being overweight, consuming too much alcohol and high levels of salt in your diet can also increase your risk. Stress can also play a role.

Q: How can I get my blood pressure checked?

A: Benefit-eligible faculty and staff* can get checked for free at the Wellness Center or either of the two LifeClinic stations located in the Grace Hall and Rec-Sports lobbies. Or, you can get checked by your regular health care provider.

Q: What do the numbers in my blood pressure readings mean?

A: Blood pressure readings consist of two numbers. For example, normal blood pressure is 120/80. Systolic (the first number) refers to the pressure exerted as the heart beats. Diastolic (the second number) refers to the pressure in the arteries when the heart rests between beats.

Q: What's considered "high" blood pressure?

A: Prehypertension readings are 120-139/80-89. Stage 1 hypertension is 140-159/90-99, and Stage 2 hypertension is 160 and above/100 and above.

Q: What if my readings are high?

A: We recommend you get tested more than once. Readings can be influenced by temporary factors, such as stress or exertion, so one high reading doesn't necessarily mean that you have hypertension, but you should follow up with a health care professional. The Wellness Center also offers free follow-ups.

Q: Is hypertension treatable?

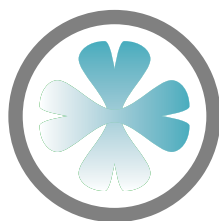
A: Yes, hypertension can almost always be treated through a change in lifestyle. In many cases, losing just 10 percent of one's body weight can often bring blood pressure back into a healthy range.

Q: What other treatment options are there?

A: Maintain a healthy weight, exercise regularly (2 hours and 30 minutes per week), follow a healthy eating plan (such as the DASH diet), lower your sodium intake, and use alcohol in moderation. The DASH diet (Dietary Approaches to Stop Hypertension), is a diet designed to prevent or lower high blood pressure through healthy eating. Learn more at dashdiet.org. Hypertension can also be controlled with medication, although in most cases, this should be a last resort.

Q: Where can I learn more?

A: Visit the American Heart Association website, heart.org.



NOTRE DAME
WELLNESS
CENTER



Maureen Jamieson

For more information about the Wellness Center's Wellness Coaching and Condition Management programs, visit wellnesscenter.nd.edu or call 634-WELL (9355).

The Notre Dame Wellness Center's Wellness Coaching and Condition Management programs can help you reach your wellness goals. Programs are convenient, confidential and free for full-time benefit-eligible faculty and staff and their dependents, and dependents of graduate students.

*and dependents



ACF Culinary Team USA practices on campus



ACF Culinary Team USA

On March 6, members of the USA Culinary Olympic Team traveled to Notre Dame to train for this year's Culinary Olympics, representing American chefs and cuisine in international competitions.

The eight-member team used the catering kitchen in the Center for Culinary Excellence to practice preparing their four-course meal, while members of the Campus Dining team observed.

The ACF Culinary Team meets once a month at various locations across the country, but this is the first time they have practiced on a college campus. The upcoming Culinary Olympics takes place October 23 in Erfurt, Germany, where teams from 32 countries will compete.

Award-winning chef

Chef Charu Chandra Pant was awarded first place in the National Association of College and University Food Services (NACUFS) Midwest Region's Culinary Challenge on March 9 at The Ohio State University.

Pant won the challenge and a gold medal with his dish, "Himalayan Bowl: Seared Lamb with Red Rice Pilaf, Tourneed Turnips with Sweet Tomato Sauce, Cucumber Mint Raita and Rich Tomato Shorba."

As culinary production manager at Notre Dame, Pant oversees the daily operation of the campus' cafés. Prior to this role, he served as the University's test kitchen chef for seven years, testing recipes used in dining halls, religious houses, cafés, vending and catering operations.

Before joining Notre Dame, Pant worked for hotel restaurants including Webster in Kalamazoo, Michigan, Stone's Throw in Washington, D.C., and several hotels in his native India. He holds an associate's degree in culinary management and a certificate in baking and pastry from Grand Rapids Community College as well as a degree from the Hotel Management Institute in India.

Pant will represent the Midwest Region at the NACUFS National Conference in Anaheim, California, on July 14.

Chef Pant



PHOTO PROVIDED

ND Arts

APRIL 2016



The Tallis Scholars ▶



◀ Nathan Gunn

Madama Butterfly ▶



For tickets to events at the DeBartolo Performing Arts Center, visit performingarts.nd.edu and create an account or log in to view faculty/staff discounted ticket prices, or contact the ticket office, 631-2800. Ticket prices listed are the faculty/staff rate.

MUSIC

Bach's Lunch

Department of Music
12:10 p.m. Friday, April 1
12:10 p.m. Friday, April 8
Bring your lunch and enjoy a brief concert performed by Department of Music students. Family friendly, all ages are welcome. Free but ticketed event.

ACA2

The Notre Dame Undertones
7 p.m. Saturday, April 2; \$16
In 2014, the Notre Dame Undertones — a subset of the Glee Club — brought together some of the best college a cappella groups in the country under one roof for ACA, an All-Male Collegiate A Cappella showcase. Two years later, the Undertones present ACA2. Planned program will include various a cappella arrangements of pop music, rock music and more. Large print programs provided. Family friendly, all ages are welcome.

The Tallis Scholars

Presenting Series
2 p.m. Sunday, April 3; \$40
The leading interpreter of Renaissance sacred music throughout the world, the Tallis Scholars make their Presenting Series debut with a program of choral music by Byrd, Taverner, Davy and Ferrabosco.

Nathan & Julie Gunn with the Gesualdo Quartet

Presenting Series
2 p.m. Sunday, April 10; \$40
A brilliant showcase for the baritone's lustrous voice and perfect diction is full of deep emotion in a poetic program of Anglo-English art song. Ranging from warm to wintry sentiment, the contemporary-leaning program is sung in English.

Emma Nalin: Voice Recital

Department of Music
3 p.m. Friday, April 15
Senior recital for the undergraduate vocal performance major, performed by soprano Emma Nalin. Program to include works by M. P. de Montéclair, F. & F. Mendelssohn, W. A. Mozart, R. Vaughan Williams and M. de Falla. Family friendly, all ages are welcome. Dialogue or vocals in a foreign language. Event free but ticketed.

Notre Dame Symphony Orchestra Spring Concert

Department of Music
8 p.m. Friday, April 15; \$5
Program will include Respighi, Pines of Rome, Mendelssohn, Symphony no. 4 ("Italian") and Concerto Competition winner Zhengyi Zhang in the first movement of Beethoven, Piano Concerto No. 3.

Notre Dame Chorale Presents Tunes from the Old World: Ireland, Scotland, Germany and Italy

8 p.m. Saturday, April 16;
free for faculty and staff
Music by Weelkes, Beethoven, Mendelssohn, Schumann, Wagner, Verdi, Stanford, Rusche
Family friendly, ages 7+ only; children under 7 will not be admitted.

Opera ND Presents As You Like It

Department of Music
7:30 p.m. Thursday, April 21; \$15
7:30 p.m. Friday, April 22
7:30 p.m. Saturday, April 23
2:30 p.m. Sunday, April 24
Opera Notre Dame presents the world premiere of a new opera based on Shakespeare's comedy by British composer Roger Steptoe, with libretto by Lesley Fernandez-Armesto and direction by Leland Kimball. Family friendly, all ages are welcome. Not recommended for children under age 7.

THEATER

Pride and Prejudice

Department of Film, Television and Theatre
7:30 p.m. Wednesday, April 13; \$12
7:30 p.m. Thursday, April 14
7:30 p.m. Friday, April 15
2:30 p.m. and 7:30 p.m. Saturday, April 16
2:30 p.m. Sunday, April 17
Adapted by Jon Jory
From the novel by Jane Austen. "It is a truth universally acknowledged that a single man in possession of a good fortune must be in want of a wife."

DANCE

Diavolo/Architecture in Motion

Presenting Series
7 p.m. Thursday, April 28; \$40
7 p.m. Friday, April 29
7:30 p.m. Saturday, April 30
Diavolo delivers an evening of athletic power and human vulnerability shot through with the thrill of danger. Performing a distinct style of Architecture in Motion, the company uses abstract and recognized structures to explore the relationship between the danger of our environment and the fragility of the human body. Each work is a fusion including everyday movement, ballet, contemporary, acrobatics, gymnastics, martial arts and hip-hop.

METROPOLITAN OPERA AT THE BROWNING CINEMA

The Met Live in HD: Madama Butterfly

1 p.m. Saturday, April 2; \$23
228 minutes, Live Broadcast
Anthony Minghella's breathtaking production has thrilled audiences ever since its premiere in 2006. One of the world's foremost Butterflies, soprano Kristine Opolais, takes on the title role, and Roberto Alagna sings Pinkerton, the naval officer who breaks Butterfly's heart.

The Met Live in HD: Roberto Devereux

1 p.m. Saturday, April 16; \$23
191 minutes, Live Broadcast
Soprano Sondra Radvanovsky takes on the extraordinary challenge of singing all three of Donizetti's Tudor queens in the course of a single season, a rare feat made famous by Beverly Sills — and not attempted on a New York stage since. In this climactic opera of the trilogy, directed by Sir David McVicar, she plays Queen Elizabeth I, forced to sign the death warrant of the nobleman she loves, Roberto Devereux.

The Met Live in HD: Elektra

1 p.m. Saturday, April 30; \$23
130 minutes, Live Broadcast
Director Patrice Chéreau (From the House of the Dead) didn't live to see his great Elektra production, previously presented in Aix and Milan, make it to the stage of the Met. But his overpowering vision lives on with soprano Nina Stemme — unmatched today in the heroic female roles of Strauss and Wagner — who portrays Elektra's primal quest for vengeance.

CINEMA

Riffifi (1955)

Tuesday Night Noir
Tuesday, March 29; 7 p.m.
Directed by Jules Dassin
With Jean Servais, Robert Hossein, Carl Möhner, Robert Manuel
Not Rated, 118 minutes, DCP
French with English subtitles
After making such American noir classics as "Brute Force" and "The Naked City," the blacklisted director Jules Dassin went to Paris and embarked on his masterpiece: a twisting, turning tale of four ex-cons who hatch one last glorious robbery in the City of Light. Riffifi is the ultimate heist movie, a mélange of suspense, brutality and dark humor that was an international hit, earned Dassin the best director prize at the Cannes Film Festival, and has proven wildly influential on the decades of heist thrillers that have come in its wake.

The Head of Joaquin Murrieta (2015)

New at the Browning
Wednesday, March 30; 8 p.m.
Directed by John Valadez
Not Rated, 30 minutes, BluRay
Director John Valadez scheduled to appear in person.
For over a decade, filmmaker John Valadez searched for the remains of Joaquin Murrieta, a legendary Mexican who blazed a trail of revenge and rebellion following the theft of his land and the rape and murder of his wife. In the summer of 1853, he was killed by bounty hunters who put his head in a jar and displayed it across California. Now, 162 years later, Valadez is convinced he has found the head. So he embarks on a quixotic, cross country road trip through history, memory and myth to lay to rest the head of Joaquin Murrieta and a dark and troubling past.

1916 The Irish Rebellion

Keough-Naughton Institute for Irish Studies
Thursday, March 31; 8:30 p.m.
As part of the 2016 American Conference for Irish Studies (hosted by the Keough-Naughton Institute for Irish Studies), the feature-length version of the documentary will be screened. Copies of the companion book to the series, "The 1916 Irish Rebellion," by Briona Nic Dhiarmada and published by the Notre Dame Press, will be available for sale following the screening. Open to the campus community and general public. Free but ticketed event.

Jellyfish Eyes (2015)

Family Films
Friday, April 1; 9:30 p.m.
Directed by Takashi Murakami
With Takuto Sueoka
Not Rated (Recommended for ages 8 and up), 101 minutes, DCP
Japanese with English subtitles
The directorial debut from acclaimed artist Takashi Murakami, Jellyfish Eyes brings its creator's endless imagination to the screen in a tale of family, friendship and loyalty, set in a world of fantasy that only Murakami could conjure. Having moved to a country town with his mother following the death of his father, young Masashi (Takuto Sueoka) immediately makes a most unlikely friend: a flying, jellyfish-like sprite that he nicknames Kurage-bo. Taking Kurage-bo under his wing and into the classroom, Masashi soon discovers that his schoolmates have similar friends — and that they, their creators, and the town itself are not all they seem to be. Free for kids 12 and under.

Chi-Raq (2015)

Africana Film Series
Directed by Spike Lee
With Teyonah Paris, Nick Cannon, Wesley Snipes, Samuel L. Jackson,

Jennifer Hudson, John Cusack
Rated R, 118 minutes, DCP
The latest "joint" from director Spike Lee is a modern day adaptation of the ancient Greek play Lysistrata by Aristophanes. After the murder of a child by a stray bullet, a group of women led by Lysistrata organize against the ongoing violence in Chicago's South Side, creating a movement that challenges the nature of race, sex and violence in America and around the world.

The Man Who Fell to Earth (1975)

Classics at the Browning
Saturday, April 2; 10 p.m.
Directed by Nicolas Roeg
With David Bowie, Rip Torn, Candy Clark, Buck Henry
Rated R, 139 minutes, DCP
The Man Who Fell to Earth is a daring exploration of science fiction as an art form. The story of an alien on an elaborate rescue mission provides the launching pad for Nicolas Roeg's visual tour de force, a formally adventurous examination of alienation in contemporary life. Rock legend David Bowie, in his acting debut, completely embodies the title role, while Candy Clark, Buck Henry and Rip Torn turn in (inter)stellar supporting performances. Originally released in a truncated form in the U.S., we are pleased to present director Nicolas Roeg's full uncut version.

Elevator to the Gallows (1958)

Tuesday Night Noir
Tuesday, April 5; 7 p.m.
Directed by Louis Malle
With Jeanne Moreau, Maurice Ronet, Lino Ventura
Not Rated, 92 minutes, 35mm
French with English subtitles
In his mesmerizing debut feature, 24-year-old director Louis Malle brought together the beauty of Jeanne Moreau, the camerawork of Henri Decaë and a now legendary score by Miles Davis. A touchstone of the careers of both its star and director, Elevator to the Gallows is a richly atmospheric thriller of murder and mistaken identity unfolding over one restless Parisian night.

45 Years (2015)

New at the Browning
Friday, April 8; 6:30 p.m.
Sunday, April 10; 3 p.m.
Directed by Andrew Haigh
With Charlotte Rampling, Tom Courtenay
Not Rated, 95 minutes, DCP
Academy Award Nominee—Best Actress
Screen legends Charlotte Rampling and Tom Courtenay star as Kate and Geoff, a couple preparing to celebrate their 45th wedding anniversary. But a stunning revelation — the body of Geoff's former lover has been discovered in the Swiss Alps — suddenly changes everything. Consumed with questions about her husband's past, Kate reconsiders everything she's

Tickets for Browning Cinema movies are \$6 for faculty/staff, \$5 for those 65 and up, free for Notre Dame students, unless otherwise noted on the website. Visit performingarts.nd.edu for more information or to purchase tickets, or call the Ticket Office at 631-2800.

Spotlight

1916

The Irish Rebellion

8:30 p.m. Thursday, March 31
Free but ticketed

A documentary memorializing the centenary of the events known as the Easter Rising, *1916: The Irish Rebellion*, produced by the Keough-Naughton Institute for Irish Studies and narrated by actor Liam Neeson, premiered at the DeBartolo Performing Arts Center in early March.

The feature-length version of the film will be screened for the campus community and the public at 8:30 p.m. Thursday, March 31. The screening, which is taking place in conjunction with the 2016 American Conference for Irish Studies, hosted by the institute, is free but ticketed. To reserve seats, call the ticket office, 631-2800, or visit performingarts.nd.edu.

Copies of the companion book to the series, “The 1916 Irish Rebellion,” by Bríona Nic Dhiarmada, the Thomas J. and Kathleen M. O’Donnell Professor of Irish Studies and Notre Dame Chair in Irish Languages and Literature, will be available for sale following the screening.

In addition, “1916: The Irish Rebellion” airs as a three-part series on Michiana PBS station WNIT at 9 p.m. Thursdays, April 7, 14 and 21, and repeating at 5:30 p.m. Sundays, April 10, 17 and 24. WNIT’s secondary channel will air the three episodes together from 8 to 11 p.m. on Saturday, April 30.

Right: Actor Liam Neeson, who narrates the film, gave opening remarks and read W. B. Yeats’ poem, “Easter, 1916” to a rapt audience in the DeBartolo Performing Arts Center.



Chris Fox, director of the Keough-Naughton Institute for Irish Studies, is an executive producer of the film.



Above: University President Rev. John I. Jenkins, C.S.C., accompanies Anne Anderson, Irish ambassador to the United States, to the March 3 premiere. The film will also be screened on PBS stations as a three-part documentary.

known about her marriage and, as the anniversary party draws nearer, finds herself at a potentially life-changing crossroads.

Mountains May Depart (2015)

New at the Browning
Friday, April 8; 9 p.m.
Saturday, April 9; 9 p.m.
Directed by Jia Zhangke
With Dong Zijian, Liang Jingdong, Sylvia Chang, Zhang Yi, Zhao Tao
Not Rated, 131 minutes, DCP
English, Cantonese and Mandarin with English subtitles
Chinese master Jia Zhangke (*A Touch of Sin*) scales new heights with *Mountains May Depart*. At once an intimate drama and a decades-spanning epic that leaps from the recent past to the present to the speculative near-future, Jia’s new film is an intensely moving study of how China’s economic boom and the culture of materialism it has spawned has affected the bonds of family, tradition and love.

Labyrinth (1986)

Family Films
Saturday, April 9; 3 p.m.
Directed by Jim Henson
With Jennifer Connelly, David Bowie
Rated PG, 101 minutes, DCP
Sarah (Jennifer Connelly) accidentally wishes away her baby brother sending him into the clutches of Goblin King Jareth (David Bowie). Will she complete Jared’s labyrinth in time to save the boy from becoming a goblin? Dance magic, dance!

Le Doulos (1962)

Tuesday Night Noir
Tuesday, April 12; 7 p.m.
Directed by Jean-Pierre Melville
With Jean-Paul Belmondo, Serge Reggiani, Monique Hennessy
Not Rated, 109 minutes, 35mm
French with English subtitles
The backstabbing criminals in the shadowy underworld of *Le doulos* (slang for “informant”) have only one guiding principle: “Lie or die.” A stone-faced Jean-Paul Belmondo stars as enigmatic gangster Silien, who may or may not be responsible for squealing on Faugel (Serge Reggiani), just released from the slammer and

already involved in what should have been a simple heist. By the end of this brutal, twisting and multilayered policier, who will be left to trust?

Miss You Already (2015)

New at the Browning
Wednesday, April 13; 8 p.m.
Directed by Catherine Hardwicke
With Drew Barrymore, Toni Collette, Dominic Cooper, Paddy Considine
Rated PG-13, 112 minutes, DCP
Inseparable since they were young girls, two best friends (Drew Barrymore and Toni Collette) can’t remember a time they didn’t share everything — secrets, clothes and even boyfriends — but nothing prepares them for the day when they are hit with life-altering news. A modern-day tear-jerker that pulls out all the stops, “*Miss You Already*” celebrates the bond of true friendship that ultimately can never be broken, even in life’s toughest moments.

Hmong Memory at the Crossroads (2015)

New at the Browning
Thursday, April 14; 7:30 p.m.
Directed by Safoi Babana-Hampton,

Swarnavel Eswaran-Pillai and Cyril Payen
Not Rated, 105 minutes, DVD
Liachoua Lee, a Hmong-American, revisits his past as a former refugee and son of veterans of the First Indochina War and the Secret War in Laos. Beginning with his life in Detroit, Lee’s journey takes him to France, a place where he and his family sought asylum before immigrating to America, and an emotional return to his Laotian homeland. Free admission.

Classe Tous Risques (1960)

Tuesday Night Noir
Tuesday, April 19; 7 p.m.
Directed by Claude Sautet
With Lino Ventura, Jean-Paul Belmondo, Sandra Milo
Not Rated, 108 minutes, 35mm
French with English subtitles
After hiding out in Milan for nearly a decade, fugitive gangland chief Abel Davos (Lino Ventura) sneaks back to Paris with his children despite a death sentence hanging over his head. Accompanied by appointed guardian Eric Stark (Jean-Paul Belmondo) and beset by backstabbing former friends, Abel begins a journey through the postwar

Parisian underworld that’s both throat grabbing and soul searching.

The Bride Wore Black (1968)

Tuesday Night Noir
Tuesday, April 26; 7 p.m.
Directed by François Truffaut
With Jeanne Moreau, Michel Bouquet, Jean-Claude Brialy
Not Rated, 107 minutes, 35mm
French with English subtitles
Julie (Jeanne Moreau), a beautiful young bride, has just married her childhood sweetheart and love of her life. But moments after the ceremony, her beloved is murdered on the steps of the church. Emotionally distraught, Julie becomes obsessed with her bridegroom’s death and begins a descent into madness as she relentlessly pursues the men responsible. An homage to the master of suspense, François Truffaut’s Hitchcockian neo-noir is both bone-chilling and deeply romantic.

EVERY GIFT COUNTS. EVERY VOTE MATTERS. EVERY STUDENT BENEFITS.

VISIT NOTREDAMEDAY.ND.EDU STARTING AT 6:42 PM ET ON APRIL 24!

Notre Dame Women's Softball Team:

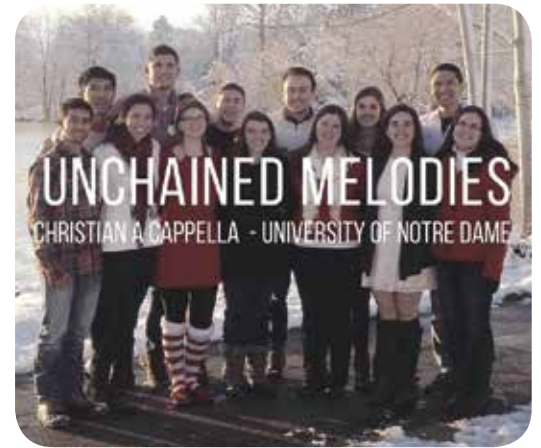
"We will be using the funds earned through Notre Dame Day 2015 to help fund a trip to the Netherlands, Ramstein Air Base in Germany and Paris. On the trip, we will play a game against servicemen/women at Ramstein and also be holding a clinic for military families. It will give our team the chance to participate in various cultural experiences, helping to educate the mind, body and spirit!"



Engineers Without Borders: "We raised enough money through Notre Dame Day 2015 to start building a potable water source for the Alfred and Sarah Bilingual Academy and surrounding community in Cameroon."



Unchained Melodies: "Through Notre Dame Day 2015, we received money to fund our first trip to participate in the Sing Strong competition in Chicago over spring break! This trip helped bring the group closer together, pushing us to be the best version of ourselves!"



APRIL 24-25
2016

PROUD TO BE 



Notre Dame Club of Colorado Springs: "The money we received through Notre Dame Day 2015 will be used to fund scholarships to the University for incoming freshmen from the Southern Colorado region. It is our belief that these scholarships are one of the most significant programs we offer to our communities."



The Snite Museum of Art: "We used the money from Notre Dame Day 2015 to host Fall Reading Days where we filled the museum with tables, chairs and powerstrips to give students a different place to prepare for exams. As part of these reading days, we offered free coffee and cookies to all students!"



Alumni Hall: "We are using our Notre Dame Day 2015 funds to complete a renovation of our basement! This will lead to a greater sense of community."

WATCH. GIVE. VOTE.

\$10 GIFT. 5 VOTES. 29 HOURS. \$1,000,000 CHALLENGE FUND.