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**CARNEGIE MELLON UNIVERSITY’S DIETRICH COLLEGE OF HUMANITIES AND SOCIAL SCIENCES**

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At Carnegie Mellon University, the Dietrich College of Humanities and Social Sciences is the home for research and education focused on humanity.

Our faculty and students take on problems that are important to the world. At the Dietrich College, faculty conduct foundational and deep disciplinary research, collaborate across disciplines, and share a passion for innovation in both research and teaching. Our students emerge from their experience at CMU able to communicate, think, learn and understand the world in ways that will serve them for the rest of their lives.

This “year in review” is a sample of stories about the students, faculty, staff and alumni in the college that appeared on CMU websites, in the local press or the national media in 2018. In this publication, you can learn more about our newly launched Pittsburgh Summer Internship Program, our faculty members’ advocacy for the humanities in Washington, D.C., and research on autism risk-factors. The year was also full of milestones for our talented alumni, who now include a member of U.S. Congress and an Emmy Award winner.

I am continually impressed by the contributions and accomplishments of our community, and even more so as we begin to reflect on the Dietrich College’s 50th anniversary, which we will celebrate in 2019. Whether you are a member of our faculty or staff, a current or former student, or someone curious about what is happening at the Dietrich College, I invite you to learn more in the pages that follow.
THE DIETRICH COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENTS & PROGRAMS

- Psychology
- Social and Decision Sciences
- Information Systems
- Economics
- Modern Languages
- Institute for Politics & Strategy
- History
- Philosophy

MEMBERS OF...

- 9 American Association for the Advancement of Sciences
- 6 American Academy of Arts and Sciences
- 4 National Academy of Sciences
- 2 National Academy of Medicine
- 1 National Academy of Education

1,332 Undergraduate Students
57 Science & Humanities Scholars with Dietrich College Majors
292 Graduate Students
207 Full-time Faculty
7 Full-time Other Instructional Staff
9 Part-time Faculty
52 Part-time Other Instructional Staff
THE CLASS OF 2022 ARRIVES

The start of a journey—students were welcomed into their home away from home at CMU’s Dietrich College. For the Class of 2022, Orientation Week brought days filled with team builders, scavenger hunts and even a night at a museum.

Dietrich College Dean Richard Scheines greeted first-year students and their families with a promise.

“We will push you to think, work and experience the world in new ways,” Scheines said. “You are not alone. Carnegie Mellon is a community in the truest sense of the word.”

Allison Guzman, a senior majoring in Ethics, History and Public Policy with minors in professional writing and politics and public policy, was the student speaker at the welcome event.

“While I didn’t know what I was getting into when I applied to Carnegie Mellon, I know what I’m getting out of it,” said Guzman. “Carnegie Mellon swept me off into the unknown, and I could not be happier.”

RECORD-BREAKING APPLICATION GROWTH

CARNegie MELLON attracted a record-breaking 24,351 applicants for admission to the Class of 2022, a 19 percent increase over the previous year’s pool. The growth in applicants spanned all six of CMU’s undergraduate colleges.

29%
Increase in applicants to the Dietrich College for the Class of 2022.
The Askwith Kenner Global Languages and Cultures Room, a new space within the David A. Tepper Quadrangle, offers students and the community an immersive, interactive language classroom and learning space.

The space was made possible thanks to a generous gift from long-time supporter, alumna and emeritus trustee Patricia Askwith Kenner (MM 1966).

“In today’s world of complex societal challenges, it is more important than ever for each student at CMU to have a global experience,” Kenner said. “I believe this space will enable students of every discipline to have a taste of languages and cultures from around the world.”

An important aspect of studying other languages and cultures is to be immersed in that region’s experience, Korryn Mozisek, director of integrative learning, Office of the Vice Provost for Education, said.

Located on the first floor of the Tepper Quad building, the Askwith Kenner Room is equipped with several Oculus VR headsets and other new technologies.

But studying abroad may not be possible for all students — there are financial concerns, travel restrictions and barriers created by world events. The new space works to eliminate those barriers, and provide an immersive experience through the use of new technology, such as interactive documentaries and virtual reality stations.

Future projects, events, research and learning experiences will be led by Stephan Caspar, assistant teaching professor of media creation and multi-cultural studies in the Department of Modern Languages.
THE OPPORTUNITY TO MEET TARANA BURKE AND SEE HER SPEAK WAS NOT ONLY INSPIRING, IT WAS ALSO VERY TIMELY. RARELY DO THE WORDS THAT STUDENTS SEE ON THE PAGE AND USE IN THE CLASSROOM FIND THEMSELVES ALMOST SIMULTANEOUSLY IN THE MEDIA AND SERENDIPITOUSLY IN A TALK BY THE LEADER OF A MOVEMENT THAT IS SHAPING THE TOPIC OF GENDER-BASED VIOLENCE,” CANDACE SKIBBA SAID.

**CLIMATE CHANGE**

It isn’t every day that students get to learn negotiation strategies from the experts on the frontlines, but a class of CMU students got to do just that.

The “Climate Change” Grand Challenge Seminar aims to help students understand what climate change is, how scientists know it’s happening, why there’s so much public debate over it, what solutions are available and how policymakers go about implementing them.

The course was taught by Peter Adams, professor of civil and environmental engineering & engineering and public policy, Katarzyna “Kasia” Snyder, an adjunct instructor in the Dietrich College, and James Wynn, associate professor of English and rhetoric.

Snyder, a former U.N. climate change lead negotiator for Poland, invited former colleagues Paul Watkinson and Hussein Alfa Nafo to join the class for a question and answer session.

**SHIFTING A CULTURE: UNDERSTANDING GENDER-BASED VIOLENCE**

When Tarana Burke, founder of the #MeToo movement, spoke in Pittsburgh, CMU students were among the nearly 1,000 in attendance, including professors and students from the Grand Challenge Seminar “Shifting a Culture: Understanding Gender-Based Violence.”

Lisa Tetrault, associate professor of history, Candace Skibba, associate teaching professor of Hispanic Studies, and Jess Klein, coordinator of gender programs and LGBTQ initiatives, brought their areas of expertise together to explore the many manifestations of gender-based violence, from stalking to human trafficking and potential solutions.

Burke is known for first using the phrase “Me Too” back in 2006 to raise awareness of the pervasiveness of sexual abuse and assault in society. In October 2017, #MeToo began going viral on social media as a way for people to describe their experiences with sexual assault and harassment. Her talk seemed like the perfect way to tie current events to topics from the class.
First-year CMU students examined different demonstrations of inequality as part of the Grand Challenge Seminars.

Kathy M. Newman, associate professor of English; Mark Kamlet, Provost Emeritus and University Professor of Economics and Public Policy in the Dietrich College and Heinz College of Information Systems and Public Policy; Kody Manke, assistant professor of psychology; and Paul Eiss, associate professor of anthropology and history, co-taught the course.

Students learned how inequality has emerged as a social and political problem in the 18th and 19th centuries and how it has re-emerged as a key concept for current socio-political movements. In addition to inequality’s past and present, the course focused on the future, especially with the coming of increased automation and the elimination of jobs being done by humans.

Engaging in discourse and debate about political issues is essential when it comes to making wise decisions about the country’s future. Doing so isn’t always easy, but students who took “Political Rhetoric” in fall 2018 are prepared to navigate these conversations.

“Political Rhetoric” was taught by Mara Harrell, teaching professor and director of undergraduate studies, and Mandy Simons, professor, in the Department of Philosophy; John Oddo, associate professor in the Department of English; and Daniel Oppenheimer, professor in the Department of Social and Decision Sciences.

“Throughout the course, we were able to use rhetoric — particularly political ads — from current campaigns,” Simons said. “We wrapped up the semester with guest lectures from campaign managers from Pennsylvanian candidates Keith Rothfus, Republican candidate for U.S. House of Representatives in District 17, and Bob Casey, Democratic candidate for U.S. Senate.”
STUDENTS TO CITY COUNCIL: USE SELF-DRIVING VEHICLES TO HELP UNDERSERVED COMMUNITIES

Pittsburgh and CMU have been trailblazers in autonomous vehicle research and technology. A group of Dietrich College students have proposed a plan to Pittsburgh City Council — including Chief of Staff for the Office of the Mayor Dan Gilman (DC 2004) — to use self-driving cars to better the lives of residents, especially those with limited access to public transit.

Eight seniors — Ian Asenjo, Cameron Dively, Margaret Edwards, Zachary Ettensohn, Jeremy Goldstein, Gaurav Gupte, Alison Hoffman and David Matvey — offered Pittsburgh City Council a report on autonomous vehicle and transportation equity in Pittsburgh. The presentation concluded their capstone project for the Ethics, History and Public Policy (EHPP) major under the supervision of Danielle Wenner, assistant professor of philosophy and associate director of the Center for Ethics and Policy.

“The work they do on these reports is not going into a file cabinet. The city is in some serious conversation about public safety drones as we speak, and the report is coming back into important use now. This is important work, and, as always, you do outstanding work,” Gilman said.

A HANDS-ON HISTORY LESSON FROM ANDY MASICH

When students sign up for classes at CMU, they can always expect one thing: They’ll be taught by the best. Students taking “Public History: Learning Outside the Classroom” know this for sure.

The course took students off campus and into Pittsburgh’s Senator John Heinz History Center — a Smithsonian affiliate and Pennsylvania’s largest history museum. Their instructor was one of the people who knows the city’s history the best: Andrew E. (Andy) Masich (DC 2014), the museum’s president and CEO.

“As I wrap up my undergraduate career, this experience was the pinnacle of an incredible four-year journey,” Grace Dzina said. “I leave the course each week inspired and eager to walk the streets of the city, eyes peeled for symbols denoting stories of the past. There is a richness to the built landscape that I simply didn’t comprehend the depth of before, and I am all the more curious to engage and learn about the origins of what has endured into the present.”
Students in CMU’s Dietrich College and College of Engineering joined forces to come up with a plan to decrease the levels of lead in Allegheny County.

“What I found interesting is that Allegheny County and Pittsburgh Water and Sewer Authority have resources available which are probably not being utilized in the most efficient manner to lower blood lead levels in children,” said Nick Chmielewski (DC 2018). “What we learn in social and decision sciences we can apply to situations like this to maximize the efficiency of the resources available.”

ENGINEERING, SOCIAL AND DECISION SCIENCES STUDENTS PROPOSE WAYS TO REDUCE LEAD LEVELS

Students from the Institute for Politics and Strategy (IPS) were able to experience the political side of Silicon Valley. To provide students the opportunity to see the current issues and potential careers with technology, public policy and international and domestic security, IPS organized the trip for the inaugural cohort in its International Relations and Politics Accelerated Master’s Program (IRP/AMP).

Over three days, students met with Safra Catz, the chief executive officer of Oracle Corporation; Ray Lane, a partner emeritus at Kleiner Perkins Caufield and Byers and former chairman of CMU’s Board of Trustees; and Eric Schmidt, the executive chairman of Alphabet, among others.

“All of the speakers discussed a need to integrate policy and security considerations as technology intertwines more closely with daily life,” said Rob Stephens, who received his undergraduate degree from CMU in 2017 in international relations & politics and global studies, a student in the first IRP/AMP cohort.

“When you start to study policy, your initial expectations are to someday work for state or local governments or in Washington, D.C., but I was astonished to learn there is room for [expertise in] political science and public policy everywhere in the tech sector,” Stephens added.

The trip was supported by a grant from the Bradley Foundation for initiatives to increase understanding about national security and international security policy.

NEW IPS CYBERSECURITY MINOR

CMU’s Institute for Politics and Strategy (IPS) launched an undergraduate minor in cybersecurity and international conflict in fall 2018. The cybersecurity and international conflict minor tackles the social-scientific dimensions of cybersecurity with a focus on the implications of the cyber age for modern statecraft, warfare, elections (local, state and national), and politics, more generally.
IN & OUT OF THE CLASSROOM

INNOVATION IN INFORMATION SYSTEMS

Seniors in the “Innovation in Information Systems” course identified real-world problems or business needs and used structured tools to develop app-based solutions in just 10 weeks. Faculty members Sara Moussawi, Jeria Quesenberry and Raja Sooriamurthi co-taught the course, and consultants from Deloitte — many of whom graduated from the Information Systems Program — served as industry mentors. Alina Yu, Dylan Hyun and Obed Appiah-Agyeman, creators of Cluster, took home the “Next Big Startup” prize at the course’s project showcase.

HELPING ORGANIZATIONS ONE TECH PROJECT AT A TIME

Every spring, students in the Information Systems Program pair up with community partners to develop technology applications to meet business needs. The partnerships allow students to gain real-world experience while the organizations receive technical work they might not be able to afford otherwise.

PROJECT EXAMPLES

The Holocaust Center of Pittsburgh

Kenny Cohen, Sean Park and Emily Porat partnered with the Holocaust Center of Pittsburgh to create an online platform for ChutzPow, a serious comic book re-telling of Holocaust survivor stories.

Wesley Family Services

Devansh Kukreja, Dylan Schwartz and Sally Zhao worked with Wesley Family Services to create a Sharepoint-based management system for its vehicle fleet.

Pennsylvania Resources Council

Arnav Gupta, Vinitha Ranganeni and Jonathan Wihl teamed up with the Pennsylvania Resources Council to implement an online application for waste auditing that facilitates data entry, management, analysis and storage.
CHILDREN’S SCHOOL CELEBRATES 50TH ANNIVERSARY

Some big discoveries are shaped by the smallest hands thanks to the research taking place at Carnegie Mellon’s Children’s School. Making its home in Margaret Morrison Hall and operating under the Department of Psychology, the early education program partners in studies on developmental psychology and collaborates in interdisciplinary research.

“CMU developmental psychology students gain an advantage when applying for graduate school because they have classroom research experiences at the Children's School that other undergraduates generally do not have,” said Sharon Carver, director of the Children's School.

Research also takes place among faculty and graduate students. Studies on the development of mathematical thinking by former faculty member Robert Siegler started at the Children’s School in the 1970s and contributed to early math education for decades. A well-publicized 2014 study led by Anna Fisher, associate professor of psychology, found that children learned better in sparsely decorated classrooms compared to bright and busy ones.

CREATIVE WRITING PROGRAM CELEBRATES 50TH ANNIVERSARY

As one of the oldest and only undergraduate programs of its kind, the Creative Writing Program's alumni gathered at Baker Hall from around the country in October to share in the camaraderie, success and profound experiences the writing program has given them.

On the last day of celebration, news of the tragedy at nearby Tree of Life Synagogue reached program director Sharon Dilworth, associate professor of English. Dilworth moved all Creative Writing plans to her home, including the keynote speeches.

“To see our former students return to campus, to hear their stories, to learn of their professional accomplishments, to see photographs of their families and to hear how many of them remember so many things about their time spent in the Creative Writing Program at Carnegie Mellon, was so rewarding,” Dilworth said. “They remembered so much about their time here, it was gratifying to hear their memories and how certain moments here have continued to shape their lives.”
For the 19th year, high school and college students from across western Pennsylvania have addressed topics of difference and diversity in Carnegie Mellon’s Martin Luther King, Jr. Day Writing Awards. The 2018 winners touched on topics ranging from racial and sexual identity to the current political climate and more.

“We were particularly pleased to receive entries from a number of new schools this year, and the quality of the entries overall was exceptionally high,” said Jim Daniels, the Thomas Stockham Baker University Professor of English, who founded and directs the awards program.

The student winners received cash prizes, had their pieces published in a booklet and read their poems and essays at an awards ceremony on Martin Luther King, Jr. Day.

In acknowledgement of the awards’ impact, Mayor Bill Peduto declared Monday, Jan. 15, 2018, as the day of the Martin Luther King, Jr. Day Writing Awards Celebration in the City of Pittsburgh.
SOPHOMORES CELEBRATE

The first-ever Dietrich College Sophomore Declaration Dinner took place in spring to mark the students’ halfway point in their undergraduate careers.

“We felt it was important to bring the class together to recognize the importance of reaching the midpoint in their academic journeys and to celebrate together as a Dietrich College community,” said Ana Maria Ulloa-Shields, assistant dean and director of the Academic Advisory Center. “Before this, the entire class was only brought together during orientation and graduation.”

Jorge Alvarez attended the dinner to show his Dietrich College pride.

“I am a Dietrich College student because of the college’s vision of being a hub for innovation,” Alvarez said. “In today’s technological society, we need to study the humanities to celebrate the beauty of the human condition. Dietrich College moors our understanding of the world through our human senses.”

UNDER CONSTRUCTION: INTERNSHIPS BRING ALUMNI, STUDENTS TOGETHER

The stepping stones to a successful career, internships are a pivotal part of the student experience. Sophomores in the Dietrich College recently had the opportunity to sit down with alumni to gain insight on the internship experience.

“I really hope the students learned that there’s no one path anywhere, that networking is something they do every day. What matters most is the quality of connections and experiences. Also, CMU has an incredible network standing by ready to support them in a million ways,” said Jessica Anders (DC 2009), who works as a manager of donor and network communications at United Way Worldwide.
Sherri Nichols has been disrupting expectations for decades. While a graduate student in CMU’s School of Computer Science in the late 1980s, Nichols helped develop the award-winning Andrew File System and became one of the founders of baseball’s Sabermetric Movement — popularized by the movie “Moneyball.” She returned to campus to talk about her journey at the Carnegie Mellon Sports Analytics Conference (CMSAC) in October.

The conference also featured a poster session and research competition. Students Kayla Frisoli, Shannon Gallagher and Amanda Luby presented “Opening up the court (surface) in tennis grand slams,” which won an honorable mention in the research competition.

Statistics & Data Science doctoral student Ron Yurko led a Football Analytics Workshop session on data collection, management and analysis using nflscrapR, statistical software that accesses data from every NFL play since 2009. The program was created by Yurko and Maksim Horowitz (DC 2016).

The Dietrich College community came together for the annual Dietrich Day celebration in March. Attendees tested their trivia knowledge about the Dietrich College; the Baker Hall Coffee Lounge featured a nacho bar and varieties of desserts as well as a cotton candy machine. Outside on the College of Fine Arts lawn, an inflatable obstacle course and oversized lawn games were set up.

During the annual Dietrich College Fall Fest celebration, students, faculty and staff enjoyed a build-your-own-apple bar, caricaturists, giveaways, prizes and more.
CMU drew more than 600 students to present some of their best work at the 2018 Meeting of the Minds symposium, an annual showcase of undergraduate research.

Topics from students in the Dietrich College ranged from the linguistics of humor to military coups and more.

After volunteering as a tutor, Grace Huddleston, a student in the Bachelor of Humanities and Arts Program, felt compelled to learn more about refugee families in Pittsburgh.

“These students struggle with discrimination from both white students and from native African-American students because of their refugee status. The girls are also challenged because they come from home countries that do not prioritize education for girls,” Huddleston said.

CLASSES GO GLOBAL

Whether on CMU’s campus, studying abroad or even on spring break, students, faculty and staff are constantly examining the ways in which the world works.

In spring 2018, three groups traveled to France, Cuba and Northern Ireland as part of experiential learning opportunities. In each case, students documented their time abroad to create multimedia projects upon their return.

“There are a lot of universities where you go to class and then you leave. But here, instructors give you the tools to create, and that’s a big thing that separates Carnegie Mellon from other schools,” said Cristina Pullen, a first-year professional writing major who traveled to Nantes, France, under the guidance of Sébastien Dubreil, teaching professor of French and Francophone Studies.

For the second year in a row, Ralph Vituccio, associate teaching professor in the Entertainment Technology Center, and filmmaker Andres Tapia took 10 students out of their element and into the streets of Cuba to capture what makes the country unique through an interactive documentary.

“Art, Conflict and Technology in Northern Ireland” was taught for the third year by John Carson, professor of art, Jennifer Keating, assistant dean for educational initiatives in Dietrich College, and Illah Nourbakhsh, the K&L Gates Professor of Ethics and Computational Technologies.

The class took students to Belfast and Derry, also known as Londonderry, in Northern Ireland where they learned about the strife and post-conflict reconciliation efforts associated with Northern Ireland.
Internships can be much more than a stepping stone to a lucrative job. They can allow students to embrace causes they care about or participate in exciting work outside of the classroom.

The Dietrich College Pittsburgh Summer Internship Program launched in 2018 to engage and connect undergraduates with nonprofits, community or government organizations, or startups in the place that CMU calls home: Pittsburgh.

The Dietrich College offers organizations that want (but cannot afford) talented interns a way to engage Dietrich College students who are looking for meaningful summer experiences (but can’t afford internships that are unpaid). Our goal is to ensure that every undergraduate student has an opportunity to complete an internship at least once prior to graduation.

During its inaugural year, 24 Dietrich College students interned at 12 Pittsburgh-area organizations. Each student received a $2,500 stipend to cover expenses while completing an 8-10 week, part-time internship.

“We were really impressed with the five students we hosted from CMU. They rose to the creative challenge of putting together a curriculum module for kindergarteners through high school seniors.”

David Mosey, executive director, Smart Futures

“The Pittsburgh Summer Internship Program connected me to many different nonprofits. Through my internship, I learned that it is okay not to know how to do something; you just have to be willing to put in the effort to learn on the spot. I also learned that communication is key no matter what field you go into.”

Eileen Chen, sophomore, Smart Futures intern
“Fellow students have taught me that it is important not to be a voice for others, rather we should use the voice we have to bring others into the conversation.”

Student speaker Kevin Wainczak, who earned a bachelor’s degree in cognitive science with a minor in software engineering.

DETERMINED AND DEGREED

“Every day I’m blown away by how talented and driven the students of Dietrich College are, and judging by our post-graduation statistics, employers agree,” said Kristin Staunton, assistant director and career consultant in the Career and Professional Development Center.

Staunton continued, “In 2018, Dietrich College students were hired by a wide range of companies from Amazon to Deloitte to the Federal Drug Administration. Regardless of a student’s major, employers know that if they hire a Dietrich College grad, they are gaining an employee who is well-rounded and intellectually curious, who is a tenacious problem-solver and who can effectively communicate ideas to other team members.”

SAMPLE OF POST-GRADUATION DESTINATIONS FOR UNDERGRADUATES

FIRST EMPLOYERS
Amazon
Apple
Boston Children’s Hospital
Bloomberg
Capital One
Council on International Educational Exchange
Deloitte Consulting
Etsy
Facebook
Federal Reserve Bank of New York
Google
Instagram
Microsoft
NASA Goddard Space Flight Center
NBCUniversal
PAIR Project
Salesforce
Wayfair
Wildlife Conservation Society
Yelp

GRADUATE SCHOOLS
Carnegie Mellon University
Columbia University
Duke University
Emory University
Georgetown University
George Washington University
Harvard University
Massachusetts Institute of Technology
New York University
University of California, Los Angeles
University of Michigan
University of Pittsburgh
University of Texas at Austin
University of Washington
Yale University

DEGREES CONFERRED

308 UNDERGRADUATE DEGREES
15 SCIENCE AND HUMANITIES SCHOLARS
163 UNDERGRADUATE STUDENTS GRADUATED WITH HONORS
95 MASTER’S DEGREES
40 DOCTORAL DEGREES

YEAR IN REVIEW 17
It’s rare to have as many as seven doctorates awarded from the close-knit Department of Philosophy in one year. These new graduates will continue to make contributions to research and education in the areas of philosophy and mathematics at institutions near and far.

“The department has been very lucky to have this group of outstanding students with such diverse interests,” said David Danks, the L.L. Thurstone Professor of Philosophy and Psychology and head of the Philosophy Department.

Bright’s thesis work is centered on “social epistemology, with a focus on using formal methods to understand how the social structure of science affects our ability to produce and disseminate knowledge.” Bright will be an assistant professor of philosophy at the London School of Economics.

Lewis shares an interest with other cohort members in the study of logic and the foundations of mathematics. His specific interests are in the formalization and computer verification of mathematical proofs. Lewis began a postdoctoral research position at the Vrije Universiteit Amsterdam.

Genin’s areas of specialization are the philosophy of science, epistemology, machine learning and the philosophy of statistics. Genin began a postdoctoral research position at the University of Toronto.

Malinsky’s work at CMU focused on causal inference from observational data. He now is a postdoctoral fellow at Johns Hopkins University where his work lies at the intersection between computer science and biostatistics.

Kestigian’s research focus is democratic theory and applied ethics. Kestigian received a unique offer from Tufts University, where she started a full-time position as a program manager for two research centers, the Metric Geometry and Gerrymandering Group and the Science, Technology and Society Program.

Rijke came to CMU based on his research interest in homotopy type theory. The relatively new theory has the potential to form a new foundational language for mathematics. Rijke is a postdoctoral fellow in mathematics at the University of Illinois at Urbana-Champaign.

Van Doorn came to CMU after studying mathematics at Utrecht University in the Netherlands. He is conducting postdoctoral research with Thomas Hales, the Andrew Mellon Professor of Mathematics at the University of Pittsburgh.
RESEARCH AND CREATIVE PROJECTS

Dietrich College is home to experts who lead their fields and pursue groundbreaking research. Our faculty, staff and students address complex societal problems through creative expression and interdisciplinary collaboration.
“Ideas with a spine” is the motto for a new series of events from the Department of English. They are designed to focus on topics of substance and timely social questions tied to new faculty books as well as engage the university and broader communities.

“We are interested in showcasing the research and scholarship in the humanities that is not only deeply erudite, deeply historical and informed by theories, concepts and methods in the field but also research that speaks very directly to some of the biggest challenges of our time,” said Andreea Ritivoi, professor and head of the English Department.

The first event, Book Salon: Race & American Progress, was a roundtable format and drew a crowd of students, faculty and staff from multiple departments. Ritivoi and Kathy M. Newman, associate professor of English, moderated the discussion. Doug Coulson and Gregory Laski sat for a conversation on topics related to their recent publications, both of which investigated racial themes in the 19th and early 20th centuries.

“The NEH is the only entity, federal or private, with a national mandate to ensure all Americans have access to the humanities,” Warren said. “In some fundamental ways, my scholarship, my career, my patterns of thought, my most basic ways of making meaning in the world, would not be what they are without the NEH, and I feel bound to do my part to advocate for its survival.”

Shumway spoke about the importance of the NEH Challenge Grant that the Humanities Center received in 2005, which provided it with its endowment.

“Without this grant, it is very likely that the center would not have continued to exist,” Shumway said. “Because of it, we are able to support not only the humanities on campus, but also to make the humanities available to the general public through the Carnegie Mellon International Film Festival and the Pittsburgh Humanities Festival.”
HOW TO ETHICALLY CONDUCT CLINICAL RESEARCH DURING PUBLIC HEALTH EMERGENCIES, LIKE EBOLA OUTBREAKS

Following the 2014-2015 Ebola outbreak in West Africa, the U.S. National Academies of Sciences, Engineering and Medicine established a committee to assess the clinical trials conducted in Guinea, Sierra Leone and Liberia. The committee outlined ways to facilitate rapid, well-coordinated responses to future public health emergencies.

Alex John London, the Clara L. West Professor of Ethics and Philosophy, served on the National Academies committee and co-authored a viewpoint article in PLOS: Neglected Tropical Diseases on the ethics of clinical research during public health emergencies.

“The latest outbreak of Ebola in the Democratic Republic of the Congo is a tragic reminder that public health emergencies are often unpredictable, complex situations. It is critical that stakeholders recognize the lessons that we have learned from the 2014-2015 outbreak,” London said.

AUTISM RISK-FACTORS IDENTIFIED IN ‘DARK MATTER’ OF HUMAN GENOME

Using cutting-edge statistical models to analyze data from nearly 2,000 families with an autistic child, a multi-institute research team discovered tens of thousands of rare mutations in noncoding DNA sequences and assessed if these contribute to autism spectrum disorder.

Published in the journal Science, the study is the largest to date for whole-genome sequencing in autism. Kathryn Roeder, UPMC Professor of Statistics and Life Sciences in the Statistics and Data Science and Computational Biology departments, was among research team leaders. Lead authors include Kevin Lin and Lingxue Zhu of the Department of Statistics and Data Science.

Over the past decade, scientists have identified dozens of genes associated with autism by studying so-called “de novo” mutations — newly arising changes to the genome found in children but not their parents. To date, most de novo mutations linked to autism have been found in protein-coding genes. It has proven far more difficult for scientists to identify autism-associated mutations in noncoding regions of the genome.

Using a novel bioinformatics framework, the researchers were able to compress the search from billions of nucleotides to tens of thousands of functional categories that potentially contribute to autism. Working with these categories, they used machine learning tools to build statistical models to predict autism risk from a subset of the families in the study. They then applied this model to an independent set of families and successfully predicted patterns of risk in the noncoding genome.
For years, historians and political scientists have wondered just how the democratic trailblazers of the French Revolution managed to pull off the creation of an entirely new kind of governance. Research published in the Proceedings of the National Academy of Sciences from a collaboration of historians, political scientists and statisticians suggests that rhetorical innovations may have played a significant role in winning acceptance for the new principles of governance that built the French republic’s foundation — and inspired future democracies around the world.

Simon DeDeo, assistant professor in the Department of Social and Decision Sciences, and fellow researchers used machine learning techniques to comb through transcripts of nearly 40,000 speeches from the deliberations of the makeshift assembly formed during the revolution’s early days. They found that in general, assembly members who broke from convention and made their case in new ways were more effective in getting their proposals adopted.

An unexpected insight from the analysis was that some of the most important work of the revolution was done in the committees, which were formed to work out particularly difficult issues and then present a recommendation to the full assembly. The small group dynamic allowed assembly members who may not have been powerful orators to exert influence.

CAS
Center for the Arts in Society
Carnegie Mellon University

**CENTER FOR ARTS IN SOCIETY ANNOUNCES THIRD NARRATIVE INITIATIVE PROJECT**

The Center for the Arts in Society selected the third and final project as part of its Narrative Initiative: “Decolonized Futures” by **Alexa Woloshyn**, assistant professor of musicology in the College of Fine Arts.

The Narrative Initiative is approaching the topic of narrative with the idea that all aspects of human expression and production are embedded with stories. **Felipe Gómez**, associate teaching professor of Hispanic Studies in the Dietrich College, and **Rich Pell**, associate professor of art, are leading it.

“Decolonized Futures” will examine — and attempt to dislodge — dominant and oppressive settler colonial narratives. Indigenous Futurism is a movement that uses various art forms to understand indigenous and non-indigenous perspectives of their violent legacies. Woloshyn’s project will collaboratively create new Indigenous Futurism narratives through various modes, including music, visual arts, fashion and film.

**CMU HISTORIANS AWARDED ANDREW W. MELLON GRANT TO HOST YEARLONG SEMINAR ON URBAN FOOD AND WATER PROVISIONING**

The Andrew W. Mellon Foundation has granted Carnegie Mellon University $225,000 for a prestigious 2019-2020 Sawyer Seminar on “Bread and Water: Access, Belonging and Environmental Justice in the City.” The seminar will bring together a set of international scholars and Pittsburgh-area practitioners to explore policies and practices that promote access to urban food and water systems based on equity, inclusion and resiliency.

“Bread and Water” was the brainchild of **Abigail Owen**, visiting assistant professor of history, and **John Soluri**, associate professor of history, who will seek to demonstrate that challenges associated with provisioning urban residents with clean water and food go far beyond boosting agricultural yields and tapping new sources of clean water.

Other key History Department faculty involved in the project include **Joel A. Tarr**, the Richard S. Caliguiri University Professor of History and Policy; **Edda Fields-Black**, associate professor of history; and **Noah Theriault**, assistant professor of history.
The figure above shows patient UD’s left and right hemispheres after the procedure. The dotted line indicates where the entire occipital lobe — which includes the brain’s visual processing center — and most of his temporal lobe were removed. Despite the lobectomy and although UD can’t actually ‘see’ the left half of his world, the preserved left hemisphere compensated for visual tasks such as recognizing faces and objects.

A new study led by Carnegie Mellon neuroscientists provides the first evidence of how the human brain recovers the ability to function after losing parts of the visual system.

Published in Cell Reports, the researchers report on three years of behavioral and brain imaging tests on a nearly 7-year-old boy, “UD,” who had a third of the right hemisphere of his brain removed in an attempt to control seizures. Even though the procedure left UD unable to see the left side, the team found that his brain’s left hemisphere eventually compensated for visual tasks such as recognizing faces and objects.

“These findings provide a detailed characterization of the visual system’s plasticity during children’s brain development,” said Marlene Behrmann, Thomas S. Baker University Professor of Psychology and Cognitive Neuroscience in the Dietrich College and the Center for the Neural Basis of Cognition. “They also shed light on the visual system of the cortex and can potentially help neurologists and neurosurgeons understand the kind of changes that are possible in the brain.”

UD’s entire occipital lobe — which includes the brain’s visual processing center — and most of his temporal lobe — which receives both visual and auditory cues — were removed, leaving only two of the four lobes in his right hemisphere untouched.

The researchers used fMRI testing at five different points over three years to evaluate how he performed certain visual and behavioral tasks. They were surprised that the intact regions of UD’s left hemisphere came to do the work of both hemispheres and process faces, objects and words.
Gender discrimination in the workplace goes beyond differences in salary for men and women. Necessary job and office duties that come with little or no thanks and have no relevance for career growth or promotions are predominately undertaken by women. Carnegie Mellon University’s

Linda Babcock

and

Laurie Weingart

and the University of Pittsburgh’s

Lise Vesterlund

are a research team that has investigated how this impacts gender equality at work.

Babcock, the James M. Walton Professor of Economics and head of the Department of Social and Decision Sciences, is working with organizations from law and consulting firms to government agencies and educational institutions on ways to address the problem.

“Thankless” tasks can include anything from cleaning out the refrigerator to planning an office party. They can also be tasks that are incredibly important for the organization’s functionality, such as mentoring new people or serving on an important committee such as hiring or evaluation.

Women are more likely than men to volunteer for these tasks, and employers are more likely to ask them to do it. This ultimately creates an uneven balance in how much time men and women have to spend on their actual job requirements that will help their careers advance — as well as increase their pay.

Babcock’s research on gender discrimination in the workplace is an example of CMU’s distinct approach to behavioral economics that uses a unique fusion of economics and psychology to tackle some of the most complicated and costly problems.

Big data is influencing just about every industry and area of government. Women in Data Science (WiDS), a conference made up of many satellite events in cities around the world, seeks to bring gender balance to data science research that is making a global impact.

Rebecca Nugent, the Department of Statistics & Data Science’s associate department head and direct of undergraduate studies, spearheaded planning for the first Pittsburgh-based WiDS conference in March. CMU’s Women in Statistics group helped make the inaugural event a success.

Marlene Behrmann, the Thomas S. Baker University Professor of Psychology and Cognitive Neuroscience and the first — and to-date only — female scientist from CMU inducted into the National Academy of Sciences, gave the opening keynote on her brain research in the pursuit to find a biomarker for autism. Amelia Haviland, the Anna Loomis McCandless Professor of Statistics and Public Policy in the Heinz College, delivered the closing keynote on analytics for social good.
Carnegie Mellon's Jason England responds to NFL's national anthem policy

Jason England, assistant professor of creative writing, responded to the National Football League's decision in May to fine players who do not stand for the national anthem:

“The NFL has fumbled its response to Colin Kaepernick's protest against rampant police brutality from the start, and their latest national anthem policy is more of the same. At best it's a poorly-thought-out rule that will spawn more problems than it quells; at worst it looks like codified racism, free speech suppression and wanton disregard for labor rights.”

England has written extensively on race, sports and societal issues, many of which have appeared in Sports Illustrated, The Root and The Chronicle of Higher Education. He also presented the Alumni Association's December CMUThink webinar: “Confounding Fathers: Liberty and Paternalism in American Professional Sports.”

U.S. can achieve Paris Agreement emissions reductions ahead of schedule

Carnegie Mellon researchers have calculated that the U.S. can meet — or even beat — the near-term carbon dioxide emission reductions required by the United Nations Paris Agreement, despite the Trump Administration’s withdrawal of the Clean Power Plan (CPP).

Published in an Environmental Science & Technology viewpoint, the CMU team included Paul Fischbeck, professor of social and decision sciences, David Rode, a recent Ph.D. graduate from the Department of Social and Decision Sciences, and colleagues from the College of Engineering.

The team used data from the U.S. Energy Information Administration’s 2017 Annual Energy Outlook to examine projected power sector carbon dioxide emissions to determine if the CPP emission targets for 2020, 2025 and 2030 can still be met. They found that emissions declined from 2.7 billion tons to an estimated 1.9 billion tons and revealed a strong link to natural gas prices as being a driving market force. The decrease puts U.S. emissions reduction at the CPP’s planned 2025 target this year.
EXPERTS DISCUSS ETHICAL, SOCIAL AND POLICY ISSUES OF ARTIFICIAL INTELLIGENCE

Thought leaders from industry, academia, government and the media gathered to discuss the ethical, social and policy issues surrounding emerging technologies April 9–10 at the first Carnegie Mellon University — K&L Gates Conference on Ethics and AI.

David Danks, head of CMU’s Philosophy Department and the L.L. Thurstone Professor of Philosophy and Psychology, and Illah Nourbakhsh, professor of robotics and director of the CREATE Lab, served as co-chairs of the conference.

“We are at the center of an ongoing economic and societal transformation that will continue for decades to come,” said CMU President Farnam Jahanian as he opened the conference. “As we embrace the internet of things, unprecedented access to massive amounts of data, and the rise of automation and robotics, we are barreling toward a future run by cyber-enabled systems. While these technologies will enhance our comfort, security and quality of life, their deployment has had unprecedented consequences for our workforce, our education system, for social justice, for fairness and for privacy, and many other aspects of society.”

The conference included talks by the inaugural K&L Gates Presidential Fellows from Carnegie Mellon, which included Zachary Wojtowicz, a social and decision sciences doctoral student.

THE GHETTO IN GLOBAL HISTORY

The Department of History and the Center for Africanamerican Urban Studies and the Economy announced the publication of “The Ghetto in Global History: 1500 to the Present” (New York/London: Routledge, 2018) in February. Edited by Wendy Z. Goldman and Joe William Trotter, Jr., the publication is a product of an A. W. Mellon Foundation funded Sawyer Seminar on the ghetto that was conducted during the 2014-2015 academic year.

The volume of essays focuses on four case studies of the ghetto in various times and places: the early modern Jewish ghetto, Nazi ghettos, African American ghettos and South African townships. It contains 17 essays by new and recognized scholars. In a substantive introduction, the editors trace the transnational circulation of the ghetto over time as a concept, policy and lived experience.
In 2007, a group of faculty in the Department of Modern Languages, with the assistance and support of two adjunct faculty in the History Department, created the Hispanic Studies Outreach Program Círculo Juvenil de Cultura, a program with the dual purpose of serving Latin@/x students on campus as well as Latin@/x families and children in the community. The creation of El Círculo was a response to local needs and research-based issues that foregrounded the importance of providing strong and dense social networks, positive representations and opportunities for minority language use to ensure language maintenance and positive identity development for immigrants.

– Mariana Achugar, former professor of Hispanic studies and second language acquisition; Kenya Dworkin, associate professor of Hispanic studies; Felipe Gómez, associate teaching professor of Hispanic studies.

“We celebrate that from the late 1980s, Modern Languages has grown more than six-fold from a unit with five full-time faculty members and a few adjunct faculty teaching undergraduate courses in French, German, Italian, Japanese, Russian and Spanish, to be today a richly diverse department with undergraduate and graduate programs, and faculty engaged in deeply interdisciplinary research in second language acquisition, literary and cultural studies, and technology-enhanced learning.”

– Susan Polansky, Modern Languages Department head and teaching professor of Hispanic studies.
Forty-one artists from around the world participated in Marx@200, an exhibit that ran at the SPACE gallery in downtown Pittsburgh throughout the spring. Curated by Kathy M. Newman, associate professor of English, and Susanne Slavick, the Andrew W. Mellon Professor of Art, the exhibition offered a contemporary exploration of the influence of Karl Marx and his ideas. The show coincided with the 2018 bicentennial of Marx’s birth.
EDUCATORS RETURN TO LEARNLAB SUMMER SCHOOL

Carnegie Mellon convened industry professionals, faculty and researchers for the 14th annual Simon Initiative LearnLab Summer School in late July. Working together in teams of two or three, participants learned about technology-enhanced learning (TEL) while gaining a conceptual background and considerable hands-on experience in designing, setting up and running TEL experiments. Participants also learned how to analyze the data from those experiments using advanced tools.

The tools participants used include CMU’s Cognitive Tutor Authoring Tools, Open Learning Initiative (OLI) development environment and DataShop and others. The OLI interface, for example, allows users building an online course to drag-and-drop content where it used to require markup language.

“Over the course of the week I gained an understanding of how OLI works and how it’s designed to benefit learners,” Jonathan Epps said.

Epps, a political science major at Morehouse College, partnered with Andrés Gómez-Colunga, a mathematics major at Yale University. Both were summer research assistants in CMU’s Psychology Department, and they collaborated on a project to refine an online introductory statistics course for CMU’s Program for Interdisciplinary Education Research — Research Experience for Undergraduates. The program provides research opportunities to undergraduates who are considering graduate training in the field of learning science.
Dean Richard Scheines created the Dietrich College Dean’s Board of Advisors in 2018 to act as a leadership body for the advancement of the college within CMU and with outside constituents. Members are selected based on their ability and interest to provide leadership, contribute financially and become actively involved in work of the board and the college.

The inaugural group of board members includes:

**Lisa Ellen Feigen Dugal**
Chief Diversity Officer, Advisory, PwC
B.S. in public policy and management, 1984

**Daniel I. Gilman**
Chief of Staff, Office of the Mayor of Pittsburgh
B.S. in ethics, history and public policy, 2004

**Michael J. Halloran**
Private Investor/Venture Capital/Private Equity and Real Estate
B.S. in managerial economics, 1986

**David A. Hilliard**
President, Symphony Development
B.A. in economics, 1973

**David J. Lehman**
Partner, K&L Gates
B.S. in public policy and management and applied history, 1982

**Kanishka Maheshwari**
Entrepreneur
B.S. in information systems with a minor in business administration, 2006

**Susan A. Steele**
Executive Partner, Global Talent & Engagement, IBM Corporation
B.A. in professional writing, French, and administration and management science, 1980

**Sachiko “Sach” Takayasu**
Student, Graduate School of Arts and Sciences, Columbia University
Fellow, CMU Institute for Politics and Strategy
Immediate Past President and CEO, Asian/Pacific Islander American Chamber of Commerce and Entrepreneurship
B.S. in international organizational behavior, 1985

**Daniel L. Wallace**
CEO, FirstKey
B.S. in information and decision systems and industrial management, 1991

**Farah Yasmin Zaman**
Senior Global Data Privacy Counsel, Colgate-Palmolive
B.S. in decision science and international relations, 2009
ALUMNI SPOTLIGHTS

Kaytie Nielsen won the highly selective Marshall Scholarship, which funds up to two years of graduate study in the United Kingdom. Nielsen, who earned her bachelor’s degree in humanities and arts with concentrations in creative writing and drama in 2016, worked with Mame-Fatou Niang, an associate professor in French and Francophone Studies, to create a documentary investigating Afro-French womanhood. “Mariannes Noires” has been screened in more than 10 countries.

MARSHALL SCHOLAR

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CMU ALUMNI ASSOCIATION BOARD MEMBERS

Alumni Association Board President Alex DiClaudio earned a bachelor’s degree in economics in 2009 and a Master of Arts Management in 2011. He is a film, television and theater producer; freelance project management and pitch consultant; and president and CEO of a tech startup.

In addition to DiClaudio, the following Dietrich College graduates serve on the Alumni Association Board: Juan Acosta (DC 2015), Brit Farmer (DC 2008), David Hilliard (DC 1973), Tricia Nelson (DC 1992) and Debbie Yu (DC 1989).
**CMU EXPERIENCE TAUGHT OPENTABLE CEO PRIORITIZATION**

Christa Quarles, a 1995 graduate with degrees in economics and German, is the CEO of OpenTable, the world’s leading provider of online restaurant reservations. Prior to joining the company, she served as the chief business officer for Nextdoor and the senior vice president and general manager at The Walt Disney Co. Earlier in her career, she worked on Wall Street as an equity research analyst covering the internet sector.

“I had a lot going on in my college life — I played two sports, I was in a sorority, I was working hard to get good grades, I had a job as I was paying my way through CMU — and so there were all these divergent demands on my time. And I really had to make important choices around them. In many ways, it’s not too different from my day today — lots of constituencies, lots of areas pulling at me, lots of choices to make. There are 50 plates in the air every day, and I have to pick which 10 to keep spinning. CMU was definitely the first place I had to do that in a meaningful way,” Quarles said.

**YEAR IN REVIEW**

Behind every Apple user’s favorite virtual assistant is Enrica Rosato, who graduated from the Dietrich College in 2013 with a degree in linguistics and a minor in French and Francophone studies. She joined the tech company in 2018 as the Siri Natural Language Annotation Project Lead.

“There’s a lot that goes into getting artificial intelligence like Siri to understand something and then respond based on that understanding,” Rosato said. “Seeing how much language can become a part of technology is really fascinating. My favorite part of what I do is being able to connect with people and their own individual impressions of language every day.”

**UNCONVENTIONAL CAREER PATH**

After graduating from the Department of Statistics and Data Science in 2014, Alex Arkhangelskaya worked for Freddie Mac, Wayfair and Warby Parker. She’s now a product manager at Rent the Runway.

**EMMY AWARD WINNER**

2001 History Department graduate Nitya Chambers was part of the executive team that won the 2018 Emmy Award for Outstanding Short Form Nonfiction or Reality Series for work on “Anthony Bourdain: Explore Parts Unknown.” She is vice president of content development for CNN Digital Worldwide.

**MISTER ROGERS’ LEGACY**

Fifty years after “Mister Rogers’ Neighborhood” first aired on PBS, Junlei Li (DC 2001, 2003) continues to preserve Fred Rogers’ legacy. The Psychology Department alumnus is co-director of the Fred Rogers Center and Rita McGinley Professor in Human Development at St. Vincent College in Latrobe, Pa., Rogers’ hometown.

**HEY, SIRI...**

Behind every Apple user’s favorite virtual assistant is Enrica Rosato, who graduated from the Dietrich College in 2013 with a degree in linguistics and a minor in French and Francophone studies. She joined the tech company in 2018 as the Siri Natural Language Annotation Project Lead.
Sheldon Cohen, the Robert E. Doherty University Professor of Psychology, was named the American Psychosomatic Society’s 2018 Distinguished Scientist for his sustained career contributions to our understanding of the role of behavior in physical health.

Jay Devine (DC 1984) received the Carnegie Mellon University Alumni Association’s 2018 Faculty & Staff Impact Award. The honor is bestowed on CMU community members who have consistently gone above and beyond their roles as administrators and educators to show extraordinary dedication and service to CMU alumni and students. Devine is associate dean for undergraduate studies at the Dietrich College, adjunct professor of history and fellow in the Institute for Politics & Strategy.


Baruch Fischhoff won a prestigious 2018 Carnegie Corporation of New York Andrew Carnegie Fellowship. He is one of 31 scholars and writers who received $200,000 to devote significant time to research, write and publish in the humanities and social sciences. Fischhoff, the Howard Heinz University Professor in the Institute for Politics and Strategy and the Department of Engineering and Public Policy, will produce a book drawing together his decades-long experiences studying and observing individuals and institutions facing difficult decisions in diverse settings. Fischhoff also received CMU’s 2018 William H. and Frances S. Ryan Award for Meritorious Teaching.

Kevin Jarbo, a fellow in the Department of Social and Decision Sciences, was named one of six CMU President’s Postdoctoral Fellows. The program started in 2017, when CMU joined a collaborative partnership with the University of California and others to offer postdoctoral fellowship opportunities to outstanding scholars in all fields, whose research, service and other academic pursuits will contribute to the university’s diversity and equal opportunities.

Joseph Mertz was named interim director of the Information Systems Program (IS) in July 2018. Mertz, a teaching professor in IS and in the Heinz College of Information Systems and Public Policy, succeeds Randy Weinberg, who led the program for 18 years and retired from CMU in December.

Susan G. Polansky, Modern Languages Department head and teaching professor of Hispanic studies, received a 2018 Pennsylvania State Modern Language Association Merit Award for her “unyielding support of world language education in the Pittsburgh Public Schools,” specifically for her “Outreach Tutoring Program that has served students of Chinese, ESL, French, German, Japanese and Spanish for over 22 years.”

Kiron Skinner, the Taube Professor of International Relations and Politics, began a new post as senior policy adviser to U.S. Secretary of State Mike Pompeo in September 2018. She also serves as director of policy planning, one of the State Department’s most influential positions. Skinner is the founding director of CMU’s Institute for Politics and Strategy.
Maralee Harrell, teaching professor and director of undergraduate studies in the Department of Philosophy, received the 2018 Prize for Excellence in Philosophy Teaching. The honor, jointly awarded by the American Philosophical Association, the American Association of Philosophy Teachers and the Teaching Philosophy Association, recognizes a philosophy teacher who has had a profound impact on the student learning of philosophy in undergraduate and/or pre-college settings.

Lisa Tetrault, associate professor of history, won the Dietrich College’s 2017–18 Elliot Dunlap Smith Award for Distinguished Teaching and Educational Service. Tetrault specializes in the history of U.S. women and gender, the history of social movements (particularly feminism) women’s health and the politics of memory.

Kevin Zollman, associate professor of philosophy, received an Andrew W. Mellon Foundation New Directions Fellowship. The fellowship is designed to enable mid-career scholars to pursue systematic training in areas outside of their specializations. The two-year, $190,000 award has provided Zollman an opportunity to study behavioral and complexity economics.

Michael J. Tarr, head of the Department of Psychology, was named one of four recipients of CMU’s new Kavčič-Moura Professorships, designed to provide sustained, long-term support for scholars across the university whose breakthroughs and discoveries have the potential to impact the world where human life and technology meet.

The Department of Psychology’s Roberta Klatzky and the Department of Social and Decision Sciences’ Larry Wasserman have been named University Professors, the highest designation a faculty member can receive. Klatzky also received the Association for Psychological Science’s James McKeen Cattell Fellow Award for a lifetime of outstanding contributions to applied psychological research.

Jessica Cantlon received the Ronald J. and Mary Ann Zdrojkowski Career Development Chair in Developmental Neuroscience in the Department of Psychology. Cantlon investigates the origins of mathematical cognition in the developing brain and focuses on the role of evolution in shaping early mathematical logic in humans.

Brian MacWhinney was named the Teresa Heinz Professor of Cognitive Psychology. He is widely recognized for his work at the intersection of psychology, computational linguistics and modern languages.

Michael F. Scheier was named the Walter van Dyke Bingham Professor of Personality and Health Psychology. A nationally recognized expert in personality, social and health psychology, Scheier joined CMU in 1975 and served as department chair for 10 years. Scheier also received the American Psychological Association’s 2018 Award for Distinguished Scientific Contributions in recognition of his groundbreaking work to understand the self-regulation of behavior.
Barbara Johnstone, professor of English and linguistics, retired in the spring after two decades at CMU. To honor her impressive career, the Department of English hosted a one-day symposium on “Discourse Analysis and Rhetorical Study,” Johnstone’s core area of expertise. “The symposium was exactly the way I hoped to celebrate my retirement,” Johnstone said. “It was wonderful to see so many of my former students, people whose Ph.D. committees I chaired or with whom I worked closely in other ways.”

Barbara Shinn-Cunningham, To Lead Carnegie Mellon’s New Neuroscience Institute

Building on years of momentum in advancing brain science research, Carnegie Mellon appointed renowned auditory neuroscientist Barbara Shinn-Cunningham to help establish a new, cross-disciplinary neuroscience institute that will create innovative tools and technologies critical to advancing brain science. “Understanding the human brain and its relation to behavior is one of the most important and complicated problems of our time,” said Richard Scheines, Dietrich College dean. “Barbara’s expertise and leadership perfectly fits with our approach to attacking complicated, real-world problems by crossing disciplines and working together to solve them.”

THE FOLLOWING NEW FACULTY MEMBERS JOINED THE DIETRICH COLLEGE IN 2018:

DEPARTMENT OF ENGLISH
- David Brown, visiting assistant professor of rhetoric
- Robert Canton, visiting assistant professor of first year writing
- Jason England, assistant professor of creative writing
- Kevin Haworth, visiting assistant professor of first year writing
- Stephanie Larson, assistant professor of rhetoric

DEPARTMENT OF HISTORY
- Andrew Pope, post-doctoral fellow for Center for Africanamerican Urban Studies and the Economy

DEPARTMENT OF MODERN LANGUAGES
- Stephan Caspar, assistant teaching professor of media creation & multicultural studies

DEPARTMENT OF PHILOSOPHY
- Simon Cullen, assistant teaching professor of philosophy of science cognitive science

DEPARTMENT OF PSYCHOLOGY
- Jessica Cantlon, Ronald J. and Mary Ann Zdrojowski Career Development Chair in Developmental Neuroscience
- Cvetomir Dimov, post-doctoral researcher of cognitive science
- Brad Mahon, associate professor of cognitive science
- Anne Margarette Mallo, post-doctoral researcher of human vision science
- Barbara Shinn-Cunningham, director, Carnegie Mellon Neuroscience Institute

DEPARTMENT OF SOCIAL AND DECISION SCIENCES
- Palvi Aggarwal, post-doctoral fellow in cyber security
- Ashley Angulo, post-doctoral fellow in behavioral decision research
- Lynn Conell-Price, post-doctoral fellow in behavioral economics
- Kevin Jarbo, post-doctoral fellow in psychology
- Korosh Mahmoodi, post-doctoral fellow in evolutionary game theory

DEPARTMENT OF STATISTICS & DATA SCIENCE
- Mikael Kuusela, assistant professor of statistics
- Yixuan Qui, post-doctoral fellow in statistics
- Aaditya Ramdas, assistant professor of statistics
- Alex Reinhart, assistant professor of statistics

INFORMATION SYSTEMS PROGRAM
- Susan Hagan, associate teaching professor of information systems

INSTITUTE FOR POLITICS AND STRATEGY
- Colin Clarke, assistant teaching professor
- Daniel Hansen, post-doctoral fellow
- Dani Nedal, post-doctoral fellow

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Ayana Ledford, director of diversity and inclusion in the Dietrich College, was named one of Leadership Pittsburgh Inc.’s inaugural Lead Now Pittsburgh Fellows. Offered in partnership with the California-based Rockwood Leadership Institute, the new initiative seeks to develop and cultivate the region’s ranks of transformational community leaders to help meet the social and economic opportunities and challenges arising from the region’s ongoing resurgence.

Gary DiLiso, principal academic advisor for the Information Systems Program, received the Award for Outstanding Contributions to Academic Advising and Mentoring at the university-wide Celebration of Education.

## YEARS OF SERVICE

### 5 YEARS
- **Mary O’Toole Lloyd**  
  Dietrich College Dean’s Office
- **George Cann**  
  Dietrich College Computing Services
- **Jennifer Loughran**  
  English Department
- **Tiona Jones**  
  Psychology Department
- **Andrew Yankes**  
  Psychology Department
- **Holly Blizman**  
  CMU Children’s School
- **Reesha Jackson**  
  Social and Decision Sciences Department
- **Laura Butler**  
  Statistics & Data Science Department

### 10 YEARS
- **Rebecca Gilbert**  
  Dietrich College Dean’s Office
- **Susan Miller**  
  Information Systems Program
- **Sarah Freese Bernardini**  
  Social and Decision Sciences Department

### 15 YEARS
- **Nicole Mitchell**  
  Dietrich College Computing Services
- **Franklin Chen**  
  Psychology Department

### 20 YEARS
- **Natalie Taylor**  
  History Department
- **Vladimir Cherkassky**  
  Psychology Department
- **Donna Perovich**  
  CMU Children’s School

### 25 YEARS
- **Vickie McKay**  
  English Department
- **Jean Bird**  
  CMU Children’s School

### 35 YEARS
- **Debby Gerhardt**  
  Dietrich College Dean’s Office

*Years of service as of Dec. 31, 2017.*
STUDENT ACHIEVEMENTS

DIETRICH COLLEGE HONORS FELLOWS

Nine distinguished Carnegie Mellon University juniors spent the summer working on research and creative projects that spanned the college’s various disciplines, including psychology, international relations, creative writing and more.

**Brian Bizier**  
Majors: Creative Writing, Dramaturgy  
Bachelor of Humanities and Arts  
Project: Revenge Project: Untitled Screenplay  
Adviser: Stephen Wittek

**Will Crouch**  
Majors: Cognitive Neuroscience, Health Psychology  
Minor: Biomedical Engineering  
Project: Relationship Intimacy as a Moderator for Unmitigated Communion & Psychological Distress  
Adviser: Vicki Helgeson

**Allison Guzman**  
Major: Ethics, History & Public Policy  
Minors: Professional Writing, Politics & Public Policy  
Project: A Comparative Analysis of Racial and Partisan Gerrymandering in Texas and Pennsylvania  
Adviser: Geoffrey McGovern

**Alexandra Halberstadt**  
Majors: Biology, Psychology  
Science and Humanities Scholars  
Project: Personality and Nicotine Dependence  
Adviser: Kasey Creswell

**Paloma Sierra Hernandez**  
Majors: Creative Writing, Drama  
Bachelor of Humanities and Arts  
Minor: Hispanic Studies  
Project: Project-LOGUE: Cultural Exchange Through Artistic Translation  
Adviser: David Shumway

**Jieming (Lewis) Li**  
Major: Psychology  
Project: Interventional Methodology Comparisons in Male Gender Stereotype  
Adviser: Kody Manke

**Maggie Mertz**  
Primary major: Global Studies  
Additional major: Creative Writing  
Minors: Film Studies, Animation & Special Effects  
Adviser: Sharon Dilworth

**Isabella Starvaggi**  
Majors: Psychology, Statistics  
Project: Vegetative Rumination in Seasonal Affective Disorder  
Adviser: Kasey Creswell

**Sahana Thirumazhusai**  
Majors: International Relations & Politics, Social & Political History  
Project: Shared Trauma: The Recovery Process of Communities in Former Conflict Zones  
Adviser: Jennifer Keating

SEVEN SENIORS NAMED ANDREW CARNEGIE SOCIETY SCHOLARS

ACS Scholars are CMU undergraduate students who combine high academic standards with extracurricular activities, such as volunteering, playing sports, taking on leadership roles and participating in student organizations and the arts.

**Orchi Banerjee**  
Primary majors: Decision Science, International Relations & Politics  
Minor: Arabic Studies

**Sarah Boyle**  
Primary major: Global Studies  
Minor: French & Francophone Studies

**Seth Henry**  
Primary major: Economics  
Minors: Innovation & Entrepreneurship, International Relations & Politics

**Maggie Mertz**  
Primary major: Global Studies  
Additional major: Creative Writing  
Minors: Film Studies, Animation & Special Effects

**Valene Mezmin**  
Primary major: Professional Writing  
Additional major: Physics

**Jack Verser**  
Primary major: Decision Science  
Additional major: Russian Studies  
Minor: Politics & Public Policy

**Yu Wu**  
Primary major: Statistics & Machine Learning  
Minors: Economics, French & Francophone Studies
FULBRIGHT SCHOLARS

Dietrich College students Isabel Bleimeister and Amal Nanavati were two of the five CMU recipients of 2018 Fulbright Awards. Bleimeister, a senior studying in cognitive neuroscience, was awarded a grant to pursue autism spectrum disorder research. Nanavati, a senior with degrees in computer science and global studies, was awarded a grant to conduct human-robot interaction research in Kyoto, Japan.

JUDITH A. RESNIK AWARD

Kim Hochstedler, a 2018 graduate with a double major in statistics and psychology, received the Judith A. Resnik Award, established in honor of the CMU alumna and space shuttle Challenger astronaut. The award is presented annually to an outstanding woman graduating in the sciences or engineering who plans to attend graduate school and whose academic performance, creativity and vision illustrate potential for high academic achievement in her field.

FIRST WESTERN PENNSYLVANIA RUSSIAN SPEAKING OLYMPIADA

The first western Pennsylvania Russian Speaking Olympiada, organized by the University of Pittsburgh and CMU, brought together local high school and college students to test their communication skills as well as their knowledge of Russian geography, history, and culture, with students also reciting and discussing Russian poetry. Six CMU students were selected as the top competitors and received Book Prizes: Kaylyn Buford, Mikhail Gershenzon, Muling He, Trevor Lazar, John Verser and Christopher Vielott.

ANDREW W. MELLON FELLOWS

Seven doctoral students named Andrew W. Mellon Fellows — Francisco Javier Bonilla, Lauren Churilla, Amanda Katz, Laura McCann, James Michelson, Will Nalls and Jack Parker — are working on projects that blend research from the English, History and Philosophy departments. Support comes from the Andrew W. Mellon Foundation, which awarded a five-year $2 million grant to CMU in 2014 to transform humanities graduate research and increase learning through digital technology.

“We received many strong proposals this year for A.W. Mellon digital humanities and technology-enhanced learning projects, and were able to fund seven particularly outstanding projects,” said Andy Norman, project manager for the fellowship.
THREE MINUTE THESIS COMPETITION

Doctoral students took the stage to describe their research and its significance in three minutes or less during the finals of CMU’s Three Minute Thesis competition. First place and the People’s Choice Award — selected by the live audience — went to Will Penman from the Department of English.

“For me, this year it was about having a sense of fun attached,” Penman said. “A lot of times, academic research can be kind of dry, so I really wanted to have this sense of being called into something. I’m calling the audience into a call-and-response and that mirrors what I’m doing in my dissertation to think about race and being called into a deeper interaction.”

STUDENT ATHLETES SHINE

Nine student athletes from the Dietrich College recorded a perfect 4.0 grade-point average (GPA) during the fall 2018 semester.

“It was a terrific fall semester in so many regards,” said Director of Athletics Josh Centor. “When we look at the academic success of our student-athletes, coupled with their excellence on the fields of play, it is a remarkable story. They are impacting our university community in a myriad of ways, and they make us so proud.”

CELEBRATION OF EDUCATION GRADUATE STUDENT AWARDS

Two Dietrich College students received awards at the university-wide Celebration of Education. Aidan Kestigian, a doctoral student in the Department of Philosophy, received the Graduate Student Teaching Award, and Kevin Jarbo, a doctoral student in cognitive psychology, received the Graduate Student Service Award.

HONOR SOCIETY MEMBERSHIP

Phi Beta Kappa: 37
Academic Excellence

Psi Chi: 21
Psychology

Phi Sigma Iota: 18
Modern Languages

Nu Rho Psi: 10
Neuroscience

Sigma Tau Delta: 11
English Language & Literature

DIETRICH COLLEGE GRADUATE STUDENT TEACHING AWARDS

Three graduate students received the Dietrich College’s 2017–2018 Graduate Student Teaching Award. They include Andras Molnar from the Department of Social and Decision Sciences, Tianyu (Sophie) Qin from the Department of Modern Languages and Jamie Smith from the Department of English. Xiaofei Tang from the Department of Modern Languages received the 2018–2019 Dietrich College Graduate Student Teaching Award.

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