The Detroit Collaborative Design Center at University of Detroit Mercy recently won a $35,000 grant from the National Endowment for the Arts (NEA) for the 2018 Design Futures Public Interest Design Student Leadership Forum. This forum takes place from May 21-25 on the University’s McNichols campus.

This is the sixth year that the NEA has funded the forum, but this is the first year that Detroit Mercy is hosting the event and the first year the University received NEA funding to support it. This NEA grant will support the development and implementation of the 2018 Design Futures Public Interest Design (PID) Student Leadership Forum hosted in Detroit. The PID Student Leadership Forum is a five-day, interdisciplinary forum that brings together student leaders from across the country with practitioner and University faculty who are leaders in the Public Interest Design Field.

Detroit Mercy is one of the founding schools behind the forum, the goal of which is to nurture future leaders in the field of Public Interest Design. The DCDC will work closely with Design Futures to plan and hold the forum. This event brings together student leaders from across the country to discuss and explore public interest design — known as PID — both as it is today and what it could be for the future.

Seventy students across a variety of disciplines impacting built environments will be selected from applicants nationwide. The only cost to participants is transportation and the rest is paid for by the partnership of universities that host the event and federal and private funders.

To learn more about Detroit Mercy’s School of Architecture, please visit https://architecture.udmercy.edu/index.php.
Detroit Mercy Celebrates Scholarly Achievement

More than 300 members of the Detroit Mercy community participated in the 13th Annual Celebration of Scholarly Achievement, sponsored by Delta Dental of Michigan. The annual event highlights the diverse scholarship of faculty, undergraduate and graduate students and spotlights the impact of Detroit Mercy in industry, design, education, health care and other fields.

This year’s event was the largest since the event’s inception, showcasing six books, 30 book chapters, 68 journal articles, 10 conference proceedings, and 110 scholarly posters.

Also featured were nine Celebrate Service posters highlighting the important service activities of faculty and students. A diverse array of initiatives from all colleges and schools were represented. The School of Architecture presented about a teaching and learning design course and the Detroit Mercy School of Law discussed their partnership with the Pope Francis Center. The Institute of Leadership and Service presented about the Ford Community Corps Partnership as well as the Emerging Leaders Program.

This year, a Creative Works showcase was held in conjunction with the event. Eight Detroit Mercy employees showcased their creative work, which included photographs, Chinese rice paper, cross-stitch, drawings, and laser cut colored acrylic and LED lights.

Congratulations to all faculty members and students who have published, presented or received an award during the 2017-18 academic year. Your accomplishments heighten the distinction of University of Detroit Mercy.

For more details and event photos, please see the website: http://libraries.udmercy.edu/archives/achievement/2018/
Detroit Mercy faculty member wins prestigious Fulbright award

Nihad Dukhan, professor of Mechanical Engineering, has been selected for a prestigious Fulbright Specialist award to Turkey. Dukhan will travel to Yildiz Technical University where he will plan and conduct joint research projects with Turkish graduate students and faculty members focused on metal foam and its applications.

This is Dukhan’s second Fulbright award. In 2014-15, he was named a Fulbright Scholar through the Core program, teaching more than 100 undergraduates and collaborating with faculty on research projects at Istanbul Technical University. While residing in Istanbul, Dukhan noted that his Turkish colleagues continually conducted rigorous academic research in which he could identify synergy with his expertise in metal foam technology.

Dukhan will travel to Istanbul in June and spend a month there. He views his visit as a seed for continued future collaboration.

The Fulbright Program is the flagship international educational exchange program sponsored by the U.S. government and is designed to increase mutual understanding between the people of the United States and the people of other countries. The Program operates in more than 160 countries worldwide.

Since its establishment in 1946 under legislation introduced by the late U.S. Senator J. William Fulbright of Arkansas, the Fulbright Program has given more than 370,000 students, scholars, teachers, artists, scientists and other professionals the opportunity to study, teach and conduct research, exchange ideas and contribute to finding solutions to shared international concerns.

For further information about Fulbright Scholar Program, please visit https://www.cies.org/. For more information about Detroit Mercy’s support for applicants and for testimonials from Detroit Mercy Fulbright scholars, please visit https://www.udmercy.edu/academics/academic-affairs/fulbright/index.php

Human Subjects Research Protections, Interim Final Rule, Six-Month Delay

The latest revision to the Federal Policy for the Protection of Human Subjects ("Common Rule") will kick in later to allow more time for organizations to implement the requirements and for stakeholders to comment about whether there is need for an additional delay.

The January 22, 2018 Federal Register notice moved the Common Rule’s effective date forward six months, from January 19 to July 19, 2018. The 16 federal departments and agencies listed in the notice, which include the Department of Health and Human Services and the National Science Foundation, plan to propose a further delay.

The new regulations attempt to adapt to a changing research environment. The revised rule, issued in January 2017, strengthens protections for research participants while attempting to avoid additional administrative burdens. The current set of regulations has been in place since 1991.

Important elements in the final rule include the following (taken from HHS.gov):

- The requirement for consent forms to provide potential research subjects with a better understanding of a project’s scope, including its risks and benefits, so they can make a more fully informed decision about whether to participate.
- Requirements, in many cases, to use a single institutional review board (IRB) for multi-institutional research studies.
- For studies on stored identifiable data or identifiable biospecimens, researchers will have the option of relying on broad consent obtained for future research as an alternative to seeking IRB approval to waive the consent requirement. As under the current rule, researchers will still not have to obtain consent for studies on non-identified stored data or biospecimens.
- The establishment of new exempt categories of research based on the level of risk they pose to participants. For example, to reduce unnecessary regulatory burden and allow IRBs to focus their attention on higher risk studies, there is a new exemption for secondary research involving identifiable private information if the research is regulated by and participants are protected under the HIPAA rules.
- Removal of the requirement to conduct continuing review of ongoing research studies in certain instances where such review does little to protect subjects.
- Requirement that consent forms for certain federally funded clinical trials be posted on a public website.

More information about the new final rule or the six-month delay can be found on the Health and Human Services website at https://www.hhs.gov/ohrp/regulations-and-policy/regulations/finalized-revisions-common-rule/index.html
Ford supports Industry 4.0 consortium led by University of Detroit Mercy

A $250,000 grant from Ford Motor Company will support a collaborative team of Michigan universities and corporate partners to create a comprehensive, data-driven research report on Industry 4.0, or the Fourth Industrial Revolution. The consortium is unified by the common goal of making the State of Michigan the globally recognized leadership hub of Industry 4.0 technologies and application.

Automation Alley approached Detroit Mercy to serve as the lead academic institution for the two-year project, which began in January 2018. Research focuses on the eight core technologies of Industry 4.0, including the Industrial Internet of Things, robotics, artificial intelligence, big data, the cloud, cybersecurity, advanced materials and additive manufacturing, and modeling, simulation, visualization and immersion.

Participating companies will each partner with an academic institution on a discrete research project. In exchange for direct support of their university partners, companies will receive advance copies of the consortium’s research results. In turn, colleges will gain an understanding of the gap between their curricula and industry’s needs.

Automation Alley is providing a platform for the collaboration. In addition to Detroit Mercy, academic partners include Lawrence Technological University, Central Michigan University, Oakland University, Baker College, Macomb Community College and Oakland Community College. Participating companies include Ford, Comau, Eaton, Fanuc, Siemens, TTI Success Insights, Plante Moran, RSM, Workforce Intelligence Network (WIN), and the Michigan Economic Development Corporation (MEDC).

The first publication produced by the consortium was the Automation Alley’s 2018 Technology in Industry Report, which was released April 30 at the Detroit Institute of Arts.

Please Remember to Certify Your Effort!

If you have time and effort charged to a sponsored project, please help us stay compliant with federal regulations and avoid possible audit findings (and related fines) by taking a few short minutes to certify your effort! We accept paper reports as well as electronic certification in TitanConnect. Effort reports are due on January 31 (for fall term), May 31 (for winter term) and September 30 (for summer term). Please see the instructions below, as well as links to instructional videos.

PROCESS FOR USING TITANCONNECT TO CERTIFY

1. Login to TitanConnect Self-Service
2. Go to the Employee tab
3. Click on Effort Certification
4. Click on the term for which you want to certify
5. View the effort distribution as recorded by Payroll
6. If it is correct, CLICK CERTIFY
7. If it is incorrect, click request changes and send an email with the specific changes requested to tcfinance@udmercy.edu or complete a paper report.

More information can be found at http://www.udmercy.edu/academicaffairs/ospra/effortreporting/index.htm
Detroit Mercy School of Dentistry Receives NIH Grant

The National Institute of Health (NIH) has awarded a two-year, $364,800 grant to Eric Krukonis, Associate Professor of Biomedicine at the School of Dentistry, to conduct research on the causative agent of the bubonic plague.

The goal of the project is to understand how the bacterium *Yersinia pestis* is able to thwart the usual antimicrobial mechanisms in human blood that kill most bacteria that spread to the bloodstream. This is a critical step in the disease process as people who succumb to bubonic plague do so after the organism spreads from the lymph nodes to the bloodstream and overwhelms the body. By understanding this process better, Krukonis and his research team hope to develop anti-plague therapeutics that can be combined with antibiotics to halt this rapidly progressing disease process.

This project was funded through the NIH’s R21 grant mechanism, which is intended to encourage exploratory research by providing support for project development in its early and conceptual stages. The grant period began on May 7, 2018.

Grant Writing Resources

**InfoEd SPIN**

SPIN is an extensive funding opportunity database which contains over 40,000 opportunities from more than 10,000 sponsors. It's available through the OSPRA website, the UDM Libraries database website, and also at [www.infoed.org](http://www.infoed.org). By creating a profile, you can save searches and receive email alerts. Instructional videos are also available on the site. If you have any questions about SPIN, don't hesitate to contact the OSPRA. SPIN is generously funded by the UDM Libraries.

**Foundation Directory Online**

Foundation Directory online contains over 108,000 U.S. foundations and corporate donors, over 3 million recent grants, and over half a million key decision makers. FDO can be accessed at [www.foundationcenter.org](http://www.foundationcenter.org). Please contact the OSPRA or Corporate and Foundation Relations for login information.

**Grants Review Team (GRT)**

The GRT was created to connect non-tenured faculty with colleague mentors who have an established record of success in obtaining external grant funding.

Mentoring can take several different forms:

- individual consultations prior to beginning work on a major grant proposal,
- questions about specific sections of the proposal,
- critiques of one-page overviews, or
- critiques of complete proposals.

Profiles of GRT members, including agencies which have funded their work, keywords for their research interests, and recent publications, can be found on the OSPRA website: [http://www.udmercy.edu/academicaffairs/ospra/grantsreviewteam/index.htm](http://www.udmercy.edu/academicaffairs/ospra/grantsreviewteam/index.htm)

For other resources, such as video tutorials about grant budgeting, information commonly required in grant applications, compliance requirements and internal processes, please visit the OSPRA website at [http://www.udmercy.edu/academicaffairs/ospra/](http://www.udmercy.edu/academicaffairs/ospra/)
Faculty Scholarship Highlights, November 2017 — April 2018

Please note that the library keeps more comprehensive lists of faculty publications over time.
Please see the website at http://libraries.udmercy.edu/archives/achievement/index.php?type=1

Key
UDM faculty names are bolded and UDM student names are italicized.
† Research done as part of an Institutional Research Fund Grant
‡ Research done as part of a Research Leave

Books & eBooks


Journal & eJournal Articles


Burton, Cynthia Z., Kristen M. Abraham, Chelsea M. Grindle, Stephanie Visnic, Samantha M. Hack, John F. McCarthy, and Nicholas W. Bowersox. "Outreach to Veterans with Serious Mental Illness Who are Lost to Care: Predictors of Outreach Contact." Psychological Services, vol. 15, no. 1, 2018, pp. 40-44.


**Book & eBook Chapters**

Bachi, Atais, Rafael Pino Vitti, Rafael Rocha Pacheco, and Eduardo Souza Jr. "Chapter 8: Ceramicas Odontológicas (Dental Ceramics)." Detalhes (Details), Souza-Júnior, Eduardo José Carvalho; Mello, Ginger, Plena 2017, pp. 1-30.


O'Keefe, Kelly, Ian J. Moore, and Elizabeth M. Hill. "Cross-Cultural Social/Behavioral Research: Ethical Principles and Review Process-


**Published Conference Proceedings**


**Faculty & Employee Awards**


Daimi, Kevin, Mustafa Saed, Scott Bone, and Muhammad Rizwan. "Securing Vehicle ECUs Update Over the Air." Best Paper Award, International Academy, Research, and Industry Association.

Hsu, Yung-Ting. "Fellowship to the Institute for Teaching and Learning in the Health Professions." Fellowship to the Institute for Teaching and Learning in the Health Professions, American Academy of Periodontology Foundation.