

# **Information | Transformation**

**IUPUI University Library  
2014–2015 Yearbook**



**The acquisition of knowledge and the desire to learn  
is fueled by access to the right information,  
in the right way, at the right time.**



## LETTER FROM THE DEAN

In the lobby of our library, visitors can find a bronze plaque donated by the faculty of IUPUI. It bears the inscription **“The Library Signifies our Unity and Boldness”**. It’s exactly the type of art one might associate with university libraries: an old-fashioned plaque in an old-fashioned place.

In truth, our library is anything but, and the message captures our mission perfectly. In order to best serve our students and our community, we are constantly rethinking and revisiting how we improve access to information, how we provide an environment that supports a variety of ways of teaching and learning.

Boldness means being a leader in the field of digital scholarship. It means being unafraid to embrace new library technologies, and to recognize that learning needs and habits continue to change. For students to have a transformative experience at IUPUI, the

University Library itself needs to embrace that bold spirit of transformation. Information management and delivery have changed dramatically in recent years, and the pace is only accelerating.

As a public academic library, we continue to reinvent and transform ourselves so we can meet the needs of our students today, and in the future. The only thing that remains a constant is our unifying drive to anticipate, adapt, and improve.

Your generous support is helping us make this bold and ambitious goal a reality.

**Thank you.**

**David W. Lewis**  
Dean, IUPUI University Library



**We are providing the best possible place to learn by transforming the physical space of the library.**

## **Transforming Space**

The IUPUI University Library, located in the heart of the campus, provides services and access to information that impact every student and faculty member. What we offer and how we teach is directly driven by the needs of our users. As a result of those changing needs, our library space is constantly upgraded, adapted, and transformed. Journals, books, and physical media are giving way to workstations, areas for focused research, and high-tech group study spaces. Being flexible and anticipating the needs of our students allows us to do our part to ensure academic success.



## Transforming the Herron Art Library

When existing study spaces are updated, technology enhancements are often prioritized over design and sense of space. In July 2015, the Herron Art Library, located inside the IUPUI Herron School of Art and Design, completed a significant renovation that combines form, function and friendliness in a most visually pleasing space.

Multiple research studies have shown that colors, materials, and layout can have as much of an influence on learning and academic success as instructional technologies. The updated space in the Herron Art Library has been an inviting destination for students to spend their time doing research, study, and quiet reflection since renovations began ten years ago.

Generous gifts from Mark and Carmen Holeman over the past ten years have helped build an internationally recognized fine press and artist book collection and taken the library through various redesign stages: adding museum quality display cases, finely crafted end-panels for book shelves, a beautiful new circulation desk, and paneling throughout the library. All of these improvements have given the library a new, visually complete aesthetic that supports student research and creative activity in the fine arts.

**The Herron Art Library is a full service branch library of IUPUI University Library. It offers research materials on art and artists. The library's collection consists of approximately 30,000 onsite volumes along with several special collections, including numerous museum-quality artists' books, and the Al-Mutanabbi Street Starts Here Coalition collection.**

## **If You Can Picture It, You Can Print It – In 3-D**

In the fall of 2014, the University Library opened its first 3-D Printing Studio to explore different applications of this new technology for our campus community. Students used 3-D printing for some of their coursework, while faculty have printed teaching aids for their classes and research projects.

The 3-D printers create objects by melting spools of long plastic strands into new shapes. Depending on the complexity, a 3-D print can take several hours.

Use of the 3-D Printing Studio has increased threefold since it first opened. The 3-D Printing Studio is currently equipped with two MakerBot printers and two 3-D scanners, and is available to all IUPUI students, faculty, and staff.

This project is made possible by a grant from the U.S. Institute of Museum and Library Services, administered by the Indiana State Library.



## **2120 LEARNING LAB The Multi-Use, Multi-Purpose Modern Instruction Space**

Library learning environments today require spaces that can be configured on the fly to accommodate individual, class, or group study sessions. The 2120 Learning Lab was developed with that very concept in mind.

Work tables in 2120 are completely detachable and mobile. Every aspect of our instructional technology offers total flexibility. Wireless workstations along with a programmable, surround-video system allow instructors and students to choose just the right configuration for their class or group research project.

Research has shown that learning environments affect learning outcomes. In order to accommodate a wide range of learning styles and the need for individual as well as group study, the University Library continues to redesign existing spaces to make them more accessible, flexible, and adaptable.



## **Transforming Collections**

“For years, librarians have purchased materials just in case someone might request them. Now, we are shifting to a much more user-focused model. Tell us what you need, and we will get it for you - whether it’s a resource we own, a subscription to a database, or an article we purchase on demand. This new, dynamic approach to collection management ensures that our end-users get what they want, right when they need it.”

TODD DANIELS-HOWELL  
Associate Dean for Collections

# The changing nature of information is transforming collection management and access.



Until recently, collection management relied exclusively on the expertise of select librarians. Their knowledge of a specific subject matter determined which resources got added, or left out. Budget and storage capacity had a profound impact. Printed reference materials could be outdated by the time they were placed on the shelf.

Librarians today manage a far greater range of resource. Information is no longer limited to what is available inside the library walls. They are no longer curators, but expert navigators.

Supporting academic research today means providing access to any kind of information whenever and wherever it's needed, and removing all barriers for the user.

The Articles on Demand service allows faculty to order and receive copies of journal articles not available in the library's print or electronic collections without library staff intervention. A pilot phase of the service was available to School of Science faculty last year. In the fall of 2015, the University Library will extend the service to all faculty members.

**Research never stops. In order to serve our users 24/7, the University Library provides online access to 116,760 unique journal titles, over 500 databases, and 690,241 e-books.**

**We are transforming research by supporting digital scholarship and open access.**

Jenny Johnson, left, and Kristi Palmer



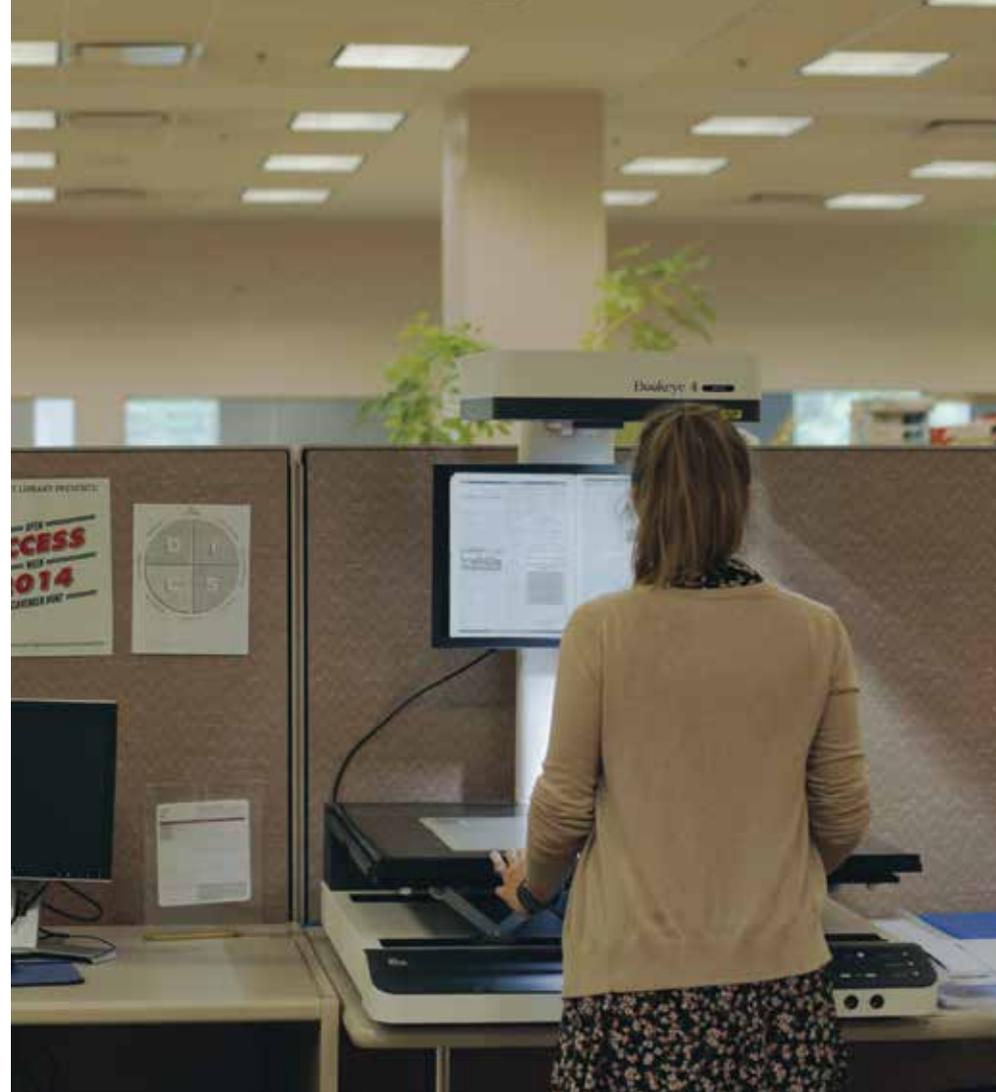
## **Transforming Scholarship**

“The successful creation of community rooted digital collections is less about the methodology of digitization and more about institutional partnerships built on human relationships.”

JENNY JOHNSON  
Digital Scholarship Outreach Librarian

“Digital Scholarship is changing how we preserve and distribute the written word, audio and visual media, and three dimensional objects. It allows librarians to be active scholars and partners by enhancing research, discussion, and understanding.”

KRISTI PALMER  
Associate Dean of Digital Scholarship



An 800-page Medieval French manuscript is translated into English online by unpaid individuals from across the globe. A linguistic professor analyzes the usage of the word “dude” over time by running a text analysis program on 1 million pages of digitized newspapers from 1800-2000.

A college student Googles “molecular cloning” and discovers a freely available dissertation, and two articles written by top researchers in the field, including a dataset from one of the researcher’s studies. Each of these exemplifies Digital Scholarship.

Digital Scholarship is not just making information available in an electronic format but developing software and analysis techniques, and reimagining research and data processing workflows that take full advantage of the hyper-connected, global information environment. Digital Scholarship has opened new doors for librarian participation in the research process, taking us from suppliers and keepers of information to active participants in creating, analyzing, and directly distributing scholarly output.

**For traditional information sources to remain viable, our library’s efforts to restore and preserve them as digital, openly accessible archives is vital.**

## Student Turns Blueprint Restoration into 3-D Experience

The idea of making history come to life is often little more than a slick marketing slogan. Yet Jessica Davenport, a recent graduate of the IUPUI School of Informatics, did just that. For her undergraduate senior capstone project, Jessica opted to combine her love of gaming and 3-D worlds with her two years of work experience at the University Library's Center for Digital Scholarship.

Her starting point was a series of badly damaged blueprints of the now demolished Indianapolis Maennerchor Building, the original home of a noted amateur music society with German roots. Using the library's map scanner, Jessica imported the blueprints into Photoshop to begin the painstaking process of digital restoration. The Photoshop files were then transferred into Maya, a 3-D modeling software often used for creating video game

environments and computer generated movies. Using only the blueprints and an old photograph of the interior, Jessica created a 3-D walkthrough of the Maennerchor Building.

To top it off, Jessica took advantage of the library's 3-D printing lab to produce a miniature model of the digitally restored building. "Just because a building is gone doesn't mean it's gone forever", said Davenport. "If you have a picture, you can recreate it. Basically, nothing is ever lost forever when you have a library."

This fall, Jessica will be returning to IUPUI to begin her Master of Library Science degree. She hopes to create more interactive educational projects and game-based learning tools. "I'd like to see more cross-disciplinary approaches", she added. "Librarians don't have to be separate."

Photo: Ross Beckman



## Preserving Local History of Volunteerism with the American Red Cross of Indiana

In collaboration with the American Red Cross of Indiana, University Library is creating a new digital collection titled: *The Red Cross of Indiana: Preventing, Preparing and Responding to Disasters and Emergencies Through the Years*. The project is made possible by a grant from the U.S. Institute of Museum and Library Services, administered by the Indiana State Library.

The project will include the digitization of 8,000 items from Indiana Chapters from around the state. Volunteers will also have the opportunity contribute memorabilia to the collection by attending two scan-a-thons.

*"As our Red Cross in Indiana plans for the celebration of 100 years of helping Hoosiers, we wanted to ensure that our rich history is memorialized for the future. Naturally, we turned to another renowned Indiana institution, the IUPUI University Library, and its formidable digital collections to help us with the project. Thanks to the diligent work of the faculty and staff at the University Library, our valuable history will be digitized for the education and enjoyment of generations to come."*

**John Lyter**  
CEO, American Red Cross of Indiana

## Advancing Research through Free Online Information Distribution and Exchange

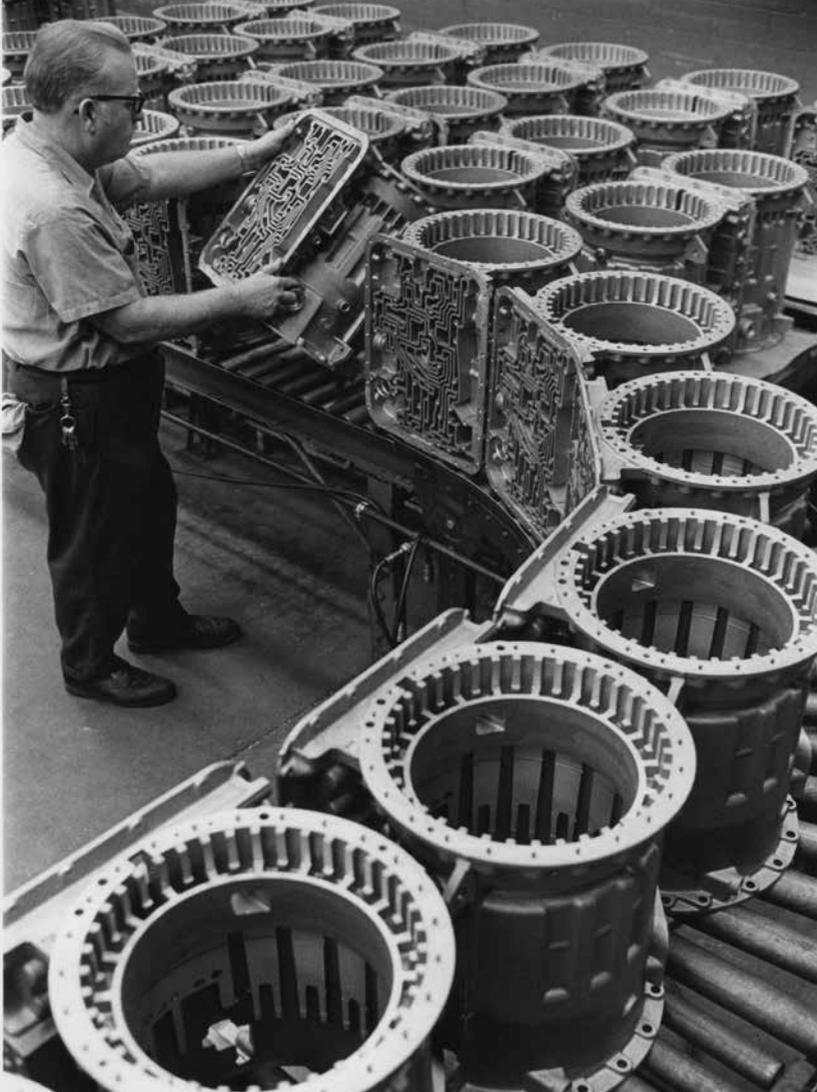
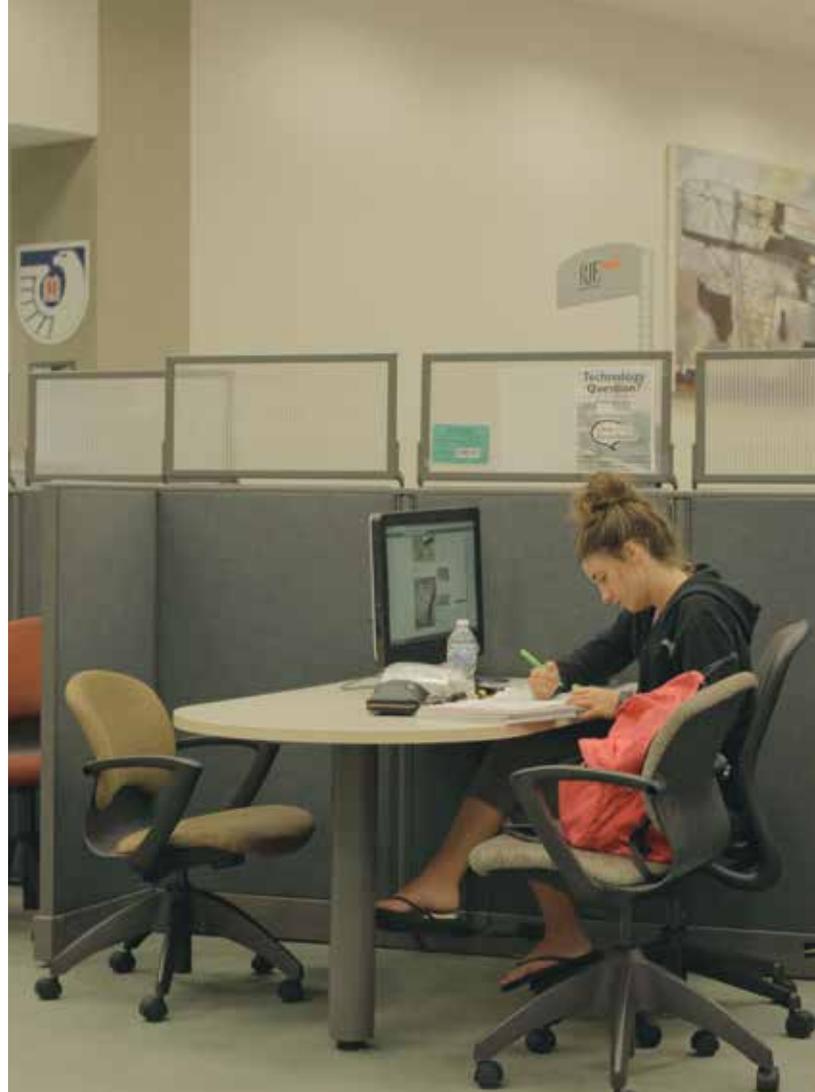
Since the inception of the very first library, access to information has always been a library's core mission. We know that learning and knowledge is nurtured best when there are no restrictions on information and information sources.

The advent of the Internet has led to an unprecedented exchange of information. However, a vast amount of scholarly and scientific research remains unavailable to the public. Some information is limited to researchers at specific institutions, other information is kept behind commercial pay walls.

In 2014, IUPUI became the first institution of higher learning in Indiana to adopt Open Access as a policy. Open Access allows the results of scholarly research, as

well as any supporting data, to be openly shared and re-used through platforms like the library's IUPUI ScholarWorks and Open Journal System. We provide free access to more than 5,000 works by the IUPUI research community. Our open access scholarship is downloaded more than 1.7 million times per year by readers from across Indiana, from all 50 states and from over 180 countries around the world.

It is our belief that the public interest is best served when knowledge and scientific discovery are openly shared. Access to information should not be limited due to physical, financial, or technical restrictions. Open Digital Scholarship is one way that we demonstrate our commitment to patrons in the Indiana community and beyond.

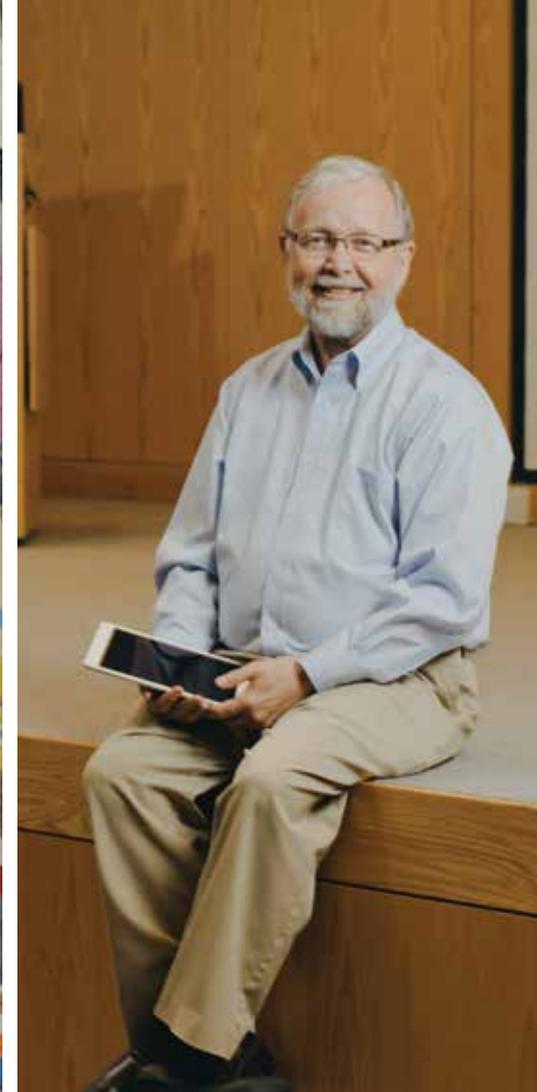


## Allison Transmission – Corporate Partner in Digital Scholarship

The Allison Transmission digitized collection was created to share Allison's heritage with the community in celebration of the company's centennial in 2015. This collection is the first collaborative digitization effort between University Library and a local, publicly traded corporate enterprise. Allison Transmission is the world's largest manufacturer of fully automatic transmissions for medium- and heavy-duty commercial vehicles and a leader in hybrid-propulsion systems for city buses. Founded in 1915 by James A. Allison, the company is headquartered in Indianapolis.

*"The digital collection has enabled us to improve the authenticity of Allison's historic narrative. As a company, we have already realized the benefits of this lasting investment, and we are pleased to partner with the IUPUI University Library to share our collection with the community."*

*Lydia Spotts  
Corporate archivist,  
Allison Transmission*



## Transforming Instruction

“Research pushes the boundaries of what we know. It deepens our understanding of ourselves and the world around us. For us to be able to rely on that new knowledge, research has to be done ethically and has to be shared with others who can test it. The library supports these efforts through educational services, its repository of scholarly publications, and its various collections, databases, and other resources.”

BILL ORME  
Associate Dean for Educational Services

**We are transforming the library experience by educating for 21st century information literacy needs.**



“Information literacy is essential to critical thinking. Students need to know how to ask the right questions, where to find information, and how to evaluate resources. Our library faculty teach students these critical competencies.”

SARA LOWE  
Educational Development Librarian

Knowing the current needs of our students, the library is continuously refining its approach to information literacy and educational services. While access to information is essential, being able to gauge its quality and using it in an ethical and responsible manner is critically important as well. This is the essence of information literacy. Because of that, librarians play a key role in the educational development of our students.

Last year, 29 librarians conducted 551 classroom sessions, making contact with 8,976 undergraduate and graduate students, as well as other types of learners. Librarians participate in all freshman seminar courses, and are engaged in all of the major teaching and learning initiatives on campus.

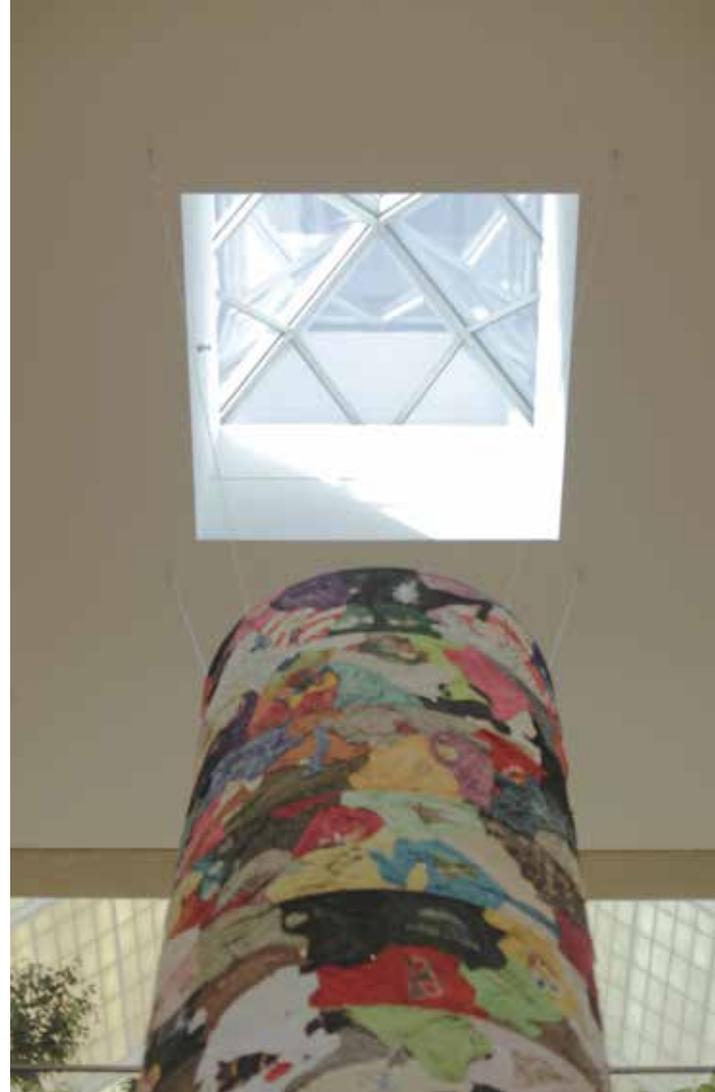


## Transformation of the 21st Century Learner

Gaining insight and learning from new and evolving information has a profound impact on who we are, and how we see and interact with the world around us.

The University Library is an integral part of the student experience on campus and in our community.





## Information | Transformation

While the University Library relies on the support of IUPUI for its day-to-day operations, philanthropic gifts from individuals, foundations, and corporations enable us to go beyond our core services, and be ready for the needs of our students in the years to come.

To find out how you can support the University Library, please visit [ulib.iupui.edu/givenow](http://ulib.iupui.edu/givenow) or call our **Development Office at 317.278.2338**.

We are grateful for the community of lifelong learners whose contributions enable us to inform, connect, and transform the lives of our users.



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