PURDUE UNIVERSITY LIBRARIES
learning, scholarly communication, global engagement
**FULL NAME:** Purdue University, West Lafayette  
**REFERRED TO AS:** Purdue; Purdue University  
**LOCATION:** West Lafayette, IN  
**AFFILIATION:** The flagship University of the Purdue University system  
**EMPHASIS:** A comprehensive, land-grant university with an emphasis on science, technology, engineering, agriculture and health sciences.  
**COLLEGES AND SCHOOLS:** College of Agriculture, College of Education, College of Engineering, College of Health and Human Sciences, College of Liberal Arts, Krannert School of Management, College of Pharmacy, College of Science, College of Technology, College of Veterinary Medicine  
**GUIDING PHILOSOPHY:** Research and innovation through multidisciplinary action  
**PRESIDENT:** Mitchell E. Daniels, Jr., 12th President, Purdue University  
**STUDENT BODY:** Total enrollment: 38,770; Undergraduate students: 29,255 (Fall 2014)  
**FACULTY:** 1820 (tenure track)  
**STAFF:** 7,775 including part-time, hourly and management (Fall 2014)  
**MAIN CAMPUS:** 2,552 acres  
**PROGRAMS OFFERED:** Purdue has nearly 200 majors within 10 colleges and schools, plus Exploratory Studies for undecided students. The Graduate School oversees more than 80 graduate programs at the West Lafayette campus, including exciting interdisciplinary graduate programs and a variety of over 25 certificate programs  
**TOTAL BACHELOR'S DEGREES:** 302,602 (1874-2012)  
**TOTAL MASTER'S DEGREES:** 73,508 (1874-2012)  
**TOTAL DOCTORATE DEGREES:** 25,219 (1874-2012)
## COLLECTIONS

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## SERVICES

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| Instruction Sessions                 | 551          |

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<td>Student Assistants</td>
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## EXPENDITURES

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MISSION & VISION

mission: Our mission is to advance the creation of knowledge for the global community through provision and preservation of scholarly information resources; teaching of information literacy; research in library, archival, and information sciences; and the development of dynamic physical and virtual learning environments.

vision: We will be recognized as an essential leader in the advancement of the University’s core strengths and global mission by leading in innovative and creative solutions for access to and management and dissemination of scholarly information resources, and for the provision of information literacy and the creation of leading edge learning spaces, both physical and virtual and will be regarded as a leader in the national and international research library community.

STRATEGIC GOALS

learning: Libraries faculty lead in information literacy and learning space implementation, research and scholarship.

scholarly communication: Libraries facilitate and enhance the continuum of the scholarly communication process.

global engagement: Libraries faculty lead in international initiatives in information literacy, e-science, information access and data management, and collaborate on Purdue’s global initiatives.
GOAL: Our learning goal focuses on information literacy* and learning spaces. Information Literacy will be an integral part of undergraduate curricula and graduate programs contributing to student success and the development of lifelong learners. Learning spaces, within the Libraries and elsewhere on campus, are changing to better meet changing curricula and student learning needs. Libraries faculty lead in information literacy and learning space implementation, research, and scholarship.

*Information literacy defined broadly to include digital information literacy, science literacy, data literacy, health literacy, etc.

OBJ 1: Integrate information literacy into student learning at Purdue through partnerships and collaboration

OBJ 2: Strengthen our capacity to lead and participate in information literacy and learning initiatives

OBJ 3: Enhance and redesign Libraries spaces and services (physical and virtual), and partner on campus learning spaces
GOAL: We facilitate and enhance the continuum of scholarly communication from discovery to delivery through the provision of information resources, services, partnerships, and national and international leadership. Libraries faculty are active participants in the scholarly communication process, through their own contributions to scholarship as well as leadership in the changing scholarly communication environment.

OBJ 1: Improve and increase access to and use of scholarly resources

OBJ 2: Continue to build and identify collections unique to Purdue

OBJ 3: Lead in data-related scholarship and initiatives

OBJ 4: Develop and promote new publishing models
global engagement

Goal: We will lead in international initiatives in information literacy and e-science and utilize our expertise in the provision of information access, management, and dissemination to collaborate on campus-wide global initiatives.

OBJ 1: Contribute to international information literacy, learning spaces, data management, and scholarly communication initiatives.

OBJ 2: Broaden global availability of scholarly information through support for open access strategies, new modes of publishing, and digitization

OBJ 3: Increase the participation of Libraries faculty as partners in multidisciplinary research, applying library, archival, and information science principles to address global challenges

Approved: Tim Sands, Provost, June 15, 2011
At the same time, the Libraries’ physical spaces and web presence have evolved to become better aligned with the learning needs of the Purdue community. Likewise, we are seeing changing needs among Purdue researchers. Computational research and federal mandates have driven an increased interest in research data services, at Purdue and worldwide.

Purdue University Libraries have responded by creating cutting-edge data services that facilitate needs assessment, education, and repository services. Interest in improving existing, or developing new, forms of publication have led to the development of a leading scholarly communication and publishing services that has provided the campus with innovative solutions to publishing needs and provided a model for library-press collaborations. These innovations have not only had an impact on the Purdue campus but are setting new standards and models for libraries around the world, as evidenced by our extensive record of international scholarship.

Similarly, our Archives and Special Collections have been developed in the last decade that reflect the core strengths of the University – agriculture, engineering and science and the professional schools of business, pharmacy, and veterinary medicine. The Barron Hilton Flight and Space Exploration Archives documents Purdue’s role from early flight to space exploration including the papers of Amelia Earhart to Neil Armstrong and Gene Cernan. The Goss Collection of Engineering and Transportation has outstanding materials that represent the history of engineering and transportation from the 16th century through the 20th. The Psychoactive Drug Research Collection supports pharmacological research in brain receptor absorption of medication to control Parkinson’s and Alzheimer’s diseases.

While other libraries are also addressing the emerging needs of their campuses, this application for the ACRL Excellence in Academic Libraries Award will demonstrate that the depth of the Purdue Libraries integration with their community and extent of their transformation over the past decade are truly exemplary and meritorious.
Purdue is recognized for academic excellence, meaningful research, and graduate achievement. Our students and graduates are global leaders in engineering, business, healthcare, science, technology, education, the arts, agriculture, communication, politics and much more. As a comprehensive, Big Ten university with approximately 30,000 undergraduate students, Purdue offers a dynamic community of goal-oriented scholars who recognize potential in themselves and each other.

The success of our students is paramount at Purdue, and Purdue University Libraries have played a key role in critical teaching and learning initiatives on campus, collaborating with partners across campus to create more engaging approaches to teaching and learning and learning space design on campus. The Libraries have been successful in integrating information literacy into Purdue’s new core curriculum; have been key partners in the Purdue IMPACT program; and have engaged in a number of important learning space projects on campus.

This has resulted in programmatic transformation of the Libraries role in teaching, all focused on improving the success of Purdue’s students. As a result of this transformation, Purdue University Libraries are central to holistic, campus-level approaches to improving student success. This includes information literacy as a foundational element of the student learning experience, Libraries’ faculty as true partners in teaching, and the Libraries at the center of Purdue’s restructuring of pedagogical approaches and physical learning spaces.
Purdue Libraries is committed to preparing its graduates to search out the appropriate and best information required to answer problems and create solutions. In that spirit, Purdue University Libraries has embarked upon a comprehensive information literacy program over the past decade, which continues to grow in volume and scope.

At Purdue, we believe strongly in an informed learning approach to information literacy, in which information literacy is embedded and contextualized throughout the curriculum. At one level, this has meant an emphasis on creating teaching partnerships between faculty in the Libraries and other faculty on campus. Rather than relying on one-shot visits to a course or voluntary workshops, Purdue faculty are embedded within courses across campus.

At another level, through the Libraries’ involvement, the University’s Core Curriculum Committee has advocated an outcomes-based curriculum that includes information literacy as a foundational outcome. Purdue is also a national leader in emerging aspects of information literacy, such as data information literacy. This new area of information literacy is critical in equipping members of the Purdue community to effectively manage and use the large amounts of research data now available to them in their research processes.

A unique aspect of Purdue’s information literacy program was the creation of the nation’s first endowed chair in information literacy, the W. Wayne Booker Chair, in 2008. Booker, Chief Financial Officer of the Ford Motor Company, believed an outstanding library to be the backbone of any great university and wanted to provide students with the ability to be lifelong learners and to see critical thinking and communication skills increased in the United States and abroad.

Sharon Weiner, W. Wayne Booker Chair in Information Literacy and professor of library science, is leading the charge to ensure that Purdue is creating lifelong learners. Not only is she advocating for information literacy and advancing Purdue University Libraries’ research agenda in this area, but she is also actively engaged nationally and internationally with educational, government, business, and health organizations to understand and promote the importance of information literacy.

**At Purdue, we believe strongly in an informed learning approach to information literacy, in which information literacy is embedded and contextualized throughout the curriculum.**

**INFORMATION LITERACY BY DESIGN**

Purdue librarians are active participants in the entire scholarly communication process, from discovery to delivery, through providing information resources, services, partnerships and national and international leadership. Our faculty also improves and increase access to scholarly resources through our own contributions to scholarship.

For instance, much of one of our faculty, Michael Fosmire’s (head of Physical Sciences, Engineering and (PSET) Divisions, professor of library science) published scholarship focuses on the role of information in active-learning pedagogies and the integration of information literacy in science and technology curricula.

Fosmire also recently collaborated with college David Radcliffe, the Kamyar Haghighi Head of the School of Engineering Education and the Epistemology Professor of Engineering Education, to increase information literacy in engineering through the creation of a new handbook.

The new book, published in 2014, *Integrating Information into the Engineering Design Process* (West Lafayette, IN: Purdue University Press), provides guidance for both engineering faculty and librarians so they can better work together to integrate information skills into their curricular offerings. The goal was to make the book accessible to both engineering educators and librarians, with authors from both disciplines contributing chapters.

**Our faculty also improves and increase access to scholarly resources through our own contributions to scholarship.**
The theme of the MGMT 175 learning community course, which takes places in the Parrish Library Learn Lab classroom, is “Informed Leadership.”

A team of Purdue Libraries faculty in the Parrish Library for Management and Economics transformed a business information literacy course from a traditional lecture, 40-student, computer-lab class into multiple sections of a flipped, 70-student, computer-less class.

The course, MGMT 175: Information Strategies for Business Students, is taught by Libraries faculty on how to use information to make business decisions. The theme of the MGMT 175 learning community course, which takes places in the Krannert Business School, is “Informed Leadership.”

Therefore, students learn about library resources and decision-making while also meeting with business executives to learn how they use information in a real world situation.

This change was initiated following a departmental request that the successfully redesigned course become required for all 500 students. This process required examining methods in which the class was delivered and the adaptation of flipped learning techniques for better utilization of library teaching resources and student-centered learning.
LIBRARIES REDESIGN OF BIOLOGY 131

Purdue Libraries faculty members were key partners in the redesign of a first-year undergraduate core biology course, Biology 131: Development Structure and Function of Organisms.

Purdue science and library faculty including Nancy Pelaez, associate professor, biological sciences, College of Science and Maribeth Slebodnik, associate professor of library science, biomedical information specialist, Purdue Libraries, collaborated to transform this course.

Slebodnik helped Pelaez find ways to help students practice information literacy in the course. Pelaez then began to integrate research-based learning outcomes into the course. Pelaez then joined the first cohort of faculty who volunteered for Purdue’s IMPACT program (Instruction Matters: Purdue Academic Course Transformation) along with Libraries faculty, assistant professor of library scientist and information literacy specialist, Clarence Maybee. Through this collaboration, they began to frame their efforts with a model that showed them the need to have Pelaez’s students research and explore topics in biology that were relevant and of interest to them. Pelaez felt it was crucial to reframe the course and help students make biology relevant and stimulating to their interests.

Using a peer-led, team-based approach, Pelaez had students work in small groups on problems throughout the semester that involved learning to navigate Purdue Libraries databases and distinguish primary research from meta-analysis, while simultaneously learning more about course content.

As a result of her collaboration with Purdue Libraries faculty, the long-term results of Pelaez’s course transformation have culminated in a more diverse classroom and biology has become more relevant to her students.

“The University’s support through the IMPACT program solidified the collective effort I experienced with faculty from the Libraries,” explained Pelaez.

TEAM-BASED PUBLISHING COURSE

In an effort to help develop and facilitate new teaching and learning experiences at Purdue University, Catherine Frasier Riehle, associate professor of library science and Charles Watkinson, former director of Purdue University Press and Scholarly Publishing Services partnered to create and teach a new course on academic and scholarly publishing that would culminate in a student-produced publication.

Together, they set out to provide a learning experience that would immerse students in the world of scholarly publishing, from practical issues to philosophical challenges.

The course was offered in spring 2014 as part of Purdue's Honors College curriculum. Throughout the semester, students heard from and participated in discussion with a variety of invited experts. These included archivists, directors of other university presses, local authors, Purdue's university copyright officer and scholarly repository specialist, and a number of staff from Purdue University Press.

A major project that set the stage for this course was the publication of a print and electronic book, Little Else than a Memory: Purdue Students Search for the Class of 1904.

Catherine and Charles collaborated with Kristina Bross, associate professor of English, who in fall 2013 taught Interdisciplinary Writing, a Purdue University Honors College course during which students engaged in archival research to discover and wrote mini-biographies of students of Purdue's class of 1904. Students began the spring 2014 semester with a book proposal and raw Microsoft Word files of these biographies, and shepherded this real-life project, a volume of the biographies, to publication.

Little Else than a Memory: Purdue Students Search for the Class of 1904 was published in April 2014 and became available for download via Purdue’s institutional repository, Purdue e-Pubs, soon after.

The book is downloadable here, on Purdue ePubs: http://docs.lib.purdue.edu/sps_ebooks/8/

Catherine Frasier Riehle’s presentation is available in ePubs here: http://docs.lib.purdue.edu/lib_fspres/53/
PURDUE LIBRARIES
LEARNING SPACES
With the advent of digital technology over the last twenty years, the role of library facilities has changed. Before digital, coming to the library was necessary in all disciplines to access books and journals as well as a find a place to study. However, the impact caused by technology was most apparent in science and engineering. The transition from print to digital happened quickly when databases replaced printed indexes, abstracts, and journals. Now, one hundred years after the construction of the first freestanding library at Purdue, we have embarked on an effort to new concept: integration of the library, learning, study, and instructional spaces that reinforce the centrality of the Libraries to the academic endeavor and that support the emerging teaching and learning needs of campus.

Libraries’ spaces, designed in collaboration with campus partners, are serving as incubators to pilot new active learning experiences and environments. Through experience, research and feedback, we’ve found that more active learning spaces are needed to support student learning in general and the IMPACT initiative and that students prefer blended spaces that allow for a variety of study habits and work patterns.

The new library environments, created in response to these findings, offer students destinations for intentional learning and purposeful engagement with resources and peers. Students benefit from specialized services within the library, such as digital media work or other types of assistance at the same place.

Since 2009 a major renovation of the Management and Economics Library, now named the Roland G. Parrish of Management and Economics as well as Hicks Undergraduate Library, has resulted in spaces that are a natural extension of the classroom, where students can work in teams or individually, using smart boards, two way communication devices, image capture equipment and computer pod workstations. The Parrish Library is the University’s leading active learning space, and is an exemplar of the possibilities of blending formal and informal learning spaces. The Parrish LearnLab served as an initial prototype and instigator to the evolution of active learning spaces as part of the IMPACT program at Purdue.

Following the opening of the LearnLab, the Libraries were approached about the possibility of creating additional active learning classrooms within the Hicks Undergraduate Library to support the IMPACT program. This presented an opportunity for the Libraries to become more embedded within IMPACT and to improve study and collaborative spaces for students, while also meeting campus needs for new types of classrooms.

In 2012, B848 in the lower level of Hicks Undergraduate Library became the first space renovated into an IMPACT classroom. The following summer, Purdue Libraries then created two additional active learning environments and a learning commons.

The success of the Parrish Library project and renovations in the Hicks Undergraduate Library helped inform our plans for creating a learning commons for the 21st century – the Active Learning Center, a combined science and engineering library with teaching spaces, library services, formal study spaces and informal learning spaces.

The Active Learning Center will combine two roles traditionally identified with separate and different buildings into a single facility that integrates study, learning, and instruction. Purdue University is poised to be a leader in this new, dynamic and synergistic concept when the Active Learning Center opens in 2017.
ACTIVE LEARNING CENTER

Coming August 2017
PARRISH LIBRARY LEARNLAB AS A CATALYST FOR SMART SPACE

Technology changes the way students learn and the way teachers teach, which is why learning spaces are changing to meet new curricula and the way today’s students learn and want to learn.

It is of great importance to improve the students’ ability to identify information needs, find quality information and then either present it or utilize it to make better, more informed decisions. Acquiring these skills strengthens other facets of their learning. This includes where students learn.

Completed in 2012, the Roland G. Parrish Library of Management and Economics was seen as a prototype for a 21st Century state-of-the-art library, laboratory and learning commons at Purdue. Within the Parrish Library, the LearnLab creates more opportunities for expanded information literacy instruction and partnerships. Now adventurous educators can connect with their students in a technologically integrated environment.

The Roland G. Parrish Library of Management and Economics was named the 2013 Centers of Excellence Award Winner by Special Libraries Association (SLA) for its redesign efforts.
HICKS UNDERGRADUATE LIBRARY RENOVATION

Hicks Undergraduate Library went through a major renovation over the last year. The space was planned to be a simple layout—a large, open space that is inviting to students. Warm materials and colors have been incorporated throughout the library to add warmth and define areas. Students have the option of individual study using one of the many study carrels located in the central portion of the library, or in groups at the long study tables. The long study tables are equipped with table lamps for soft lighting and lines the windows and at perimeter locations within the library. Students also have the option of lounging in a few lounge settings interspersed throughout the area, equipped with large sofas. The study carrels were altered in a way to provide electrical outlets at the work surfaces and relocated for a more improved layout.

Quiet study tables along the windows with table lamps illuminate the refurbished tables. The lamps are be secured to each table, have switches so students can turn on/off the lamps, and house electrical outlets within the base, giving students easy access to electrical connections. And finally, much needed new carpet updates the space for a clean and fresh look.

The renovation will continue to add informal space to the already highly used learning commons that supports a significant traffic increase with its IMPACT classrooms and quiet informal gathering and collaborative spaces. The entire ground floor will be open and ready to welcome students at the beginning of the fall semester.
DESIGNING A LIBRARY OF THE FUTURE

In order to gain insight into the range of activities, work practices and preferences that the new Active Learning Center facility must support, Purdue University Libraries faculty and staff conducted a series of information-gathering activities. The Participatory Design Committee, led by renowned anthropologist, Nancy Fried Foster, helped Libraries faculty and staff apply anthropological principles to the study of the Libraries’ users to understand how spaces are being used.

What is being created with the Active Learning Center is an ‘ecotone’. An ecotone is a transition area between two environments where two ecosystems meet and integrate. The goal of the Active Learning Center is to integrate the best attributes of the classroom and library into one facility, creating a new environment that is richer, more efficient and more effective than it could be on its own. In order to prepare our students for dynamic careers in a global economy, the need for facilities that support engaged learning and collaboration is critical.

Michael Fosmire, professor of library Science, division head, physical sciences, technology and engineering and Vicki Killion, associate professor of library science, division head, health and life sciences co-chaired the committee.

Libraries’ faculty, administrative and clerical staff were selected from throughout the different Libraries divisions by Jim Mullins, dean of libraries, to serve on this important task force. Instead of an “us” approach of how “we” think students/faculty use the library spaces, the committee took an ethnographic approach, which allowed them to truly understand how spaces are being used.

Using a variety of techniques including response cards, workshops and spot interviews across seven library locations, over 1,000 responses were completed, which was a great surprise. The data obtained from this study supported how people were actually using Purdue University Libraries spaces and proved invaluable in gaining true insight as to the range of activities, work practices and preferences that the new Active Learning Center facility must support.

As a result, these ideas were integrated as part of the Active Learning Center facility planning.

With the creation of the Active Learning Center and integration of classroom/library spaces, Purdue University is poised to be a leader in this new, revolutionary and synergistic concept when ALC opens its doors in 2017.
Beyond its efforts to impact student outcomes through innovations in instructional and learning space programs on campus, the Purdue Libraries are also actively engaged with students.

**STUDENT ADVISORY COUNCILS**

The Purdue Libraries regularly engage with student leaders to shape the direction of the Libraries and improve Libraries services, spaces, and collections. The Libraries’ two student advisory councils are the primary forum for this engagement. The councils meet with the Dean of Libraries once a month over dinner. The Undergraduate Student Library Advisory Council consists of 15 members, including representatives from Purdue Student Government. The Graduate Student Library Advisory Council consists of 6 members, including the President of Purdue Graduate Student Government. These groups provide feedback on library initiatives, and are also facilitate discussion on issues of importance to students. These groups have had an impact on library services, such as the Library website.

Examples of how these two groups help advise the Libraries on key initiatives include:

- Recently, the graduate group (GSLAC) heard from Natasha Johnson, associate professor of library science, regarding the “Get a G.R.I.P.” program and the feedback from GSLAC inspired some enthusiastic revisions to the program.

- Catherine Frasier Riehle, associate professor of library science and instructional outreach librarian recently presented to the undergraduate group (USLAC) about JPUR (Purdue Journal of Undergraduate Research) and talk about the key outcomes/new possibilities with collaborative, team-based courses.

- Both the graduate and undergraduate councils have been a part of the Active Learning Center (ALC) planning, providing key feedback on many needs and features of the new building to help support active, collaborative learning.

- Both the graduate and undergraduate councils have been a part of critical focus groups, aimed to help provide student-centered feedback on user needs and experience for the Libraries website redesign.
STUDENT SCHOLARSHIP AND AWARDS

PULSE Awards
The PULSE Award program is an endowed fund started and funded primarily by the faculty and staff of the Libraries to recognize the hard work and dedication of the students who work in the Libraries. Each year, one or two awards are given for the top student workers in the Libraries. Awards are $500 to $1000 per piece.

Albert Viton Scholarship
Established in 2006 and endowed by Dr. Albert Viton, an author and retired economist, the scholarship is awarded annually to a student employee from the Purdue Press or the Libraries.

Dorothy Newby McCaw Scholarship
Established in 2004 by Dorothy Newby McCaw in honor of former Libraries dean Emily R. Mobely, the McCaw scholarship is awarded annually to a Libraries student worker.

DISTINGUISHED LECTURE SERIES
The Purdue Libraries Distinguished Lecture series have began in 2005 with a goal to emphasize the link between Libraries and the creative and intellectual achievements from notable people both outside of and inside the academy. We consider this lecture series to be in keeping with Purdue Libraries role as a catalyst to enhance the cultural, intellectual, and scholarly environment at Purdue for students, faculty, friends, and the entire community.

Through these lectures, the authors and speakers we invite enable us to more effectively understand the human condition, whether through science, the arts, engineering, technology, business, medical sciences, or consumer and family issues.

Previous speakers in the series include: Dr. Neil DeGrasse Tyson, Amy Tan, Ruth Reichl and T.C. Boyle, among others as examples.

STUDENT EVENTS
Purdue University Libraries also sponsor a range of events that engage the Purdue community, but especially students. These include events that welcome students to the Libraries and help to make them aware of our facilities. For example, Libraries faculty members are active participants in Boiler Gold Rush (BGR), Purdue’s annual orientation for new students. In addition to providing an overview of Library resources to the entire freshman class, Libraries faculty members also lead small group exercises throughout the orientation process, providing the opportunity to interact with undergraduate students from the first week they are on campus. The Libraries also sponsor competitions that allow students to demonstrate their creativity, use their information literacy skills in a fun setting, and of course, engage with the Libraries.

Welcome Back Students: Hicks Undergraduate Library
In 2013 and 2014, the Libraries hosted “Welcome Back Students” events in Hicks Undergraduate Library to also recognize the renovation/completion of Hicks Undergraduate Library.

Students enjoyed perusing the new, functional spaces and enjoyed refreshments, music and mementos to mark the completion of the newly renovated space.

The renovation of the main floor of Hicks was accomplished through support from the campus facilities award office, the Provost and the Esther Ellis Norton Fund and the collaborative efforts of many Libraries faculty and staff.
Hicks Library Hosts Events During Prep and Finals Weeks for Students

As the end of the semester approaches, Hicks Undergraduate Library offers a wide array of events during prep and finals weeks to help Purdue students alleviate stress. Each event is free and refreshments are served. Examples of some of the programming offered this past semester included:

**Game Break**
Hicks Undergraduate Library offered a variety of classic board and card games to allow students to de-stress and have fun.

**Therapy Dogs**
Therapy Dogs, International, Inc. brought several dog teams to the main common area in Hicks. Students were allowed to visit with the dogs to help lower their stress levels.

**Music Therapy**
Julia Lopez-Kaley, MT-BC, provided customized activities with goals of decreasing stress and ways to recognize and manage the symptoms in a musical context.

**A Taste of Relaxation**
Instructors from the Purdue Recreation Center provided instruction on various stress reduction techniques including meditation, progressive muscle relaxation and guided imagery.

Libraries’ Annual GIS Day Connects GIS Day Resources to Community

For the last several years, the Libraries have collaborated with a wide variety of departments across the university to produce a College GIS Day program. The purpose of this annual event is to connect students, faculty and the community to key GIS resources at Purdue and with each other.

This year, guest speakers from Indiana State Government, Indiana Geographic Information Council, Oak Ridge National Laboratory, Polis Center at IUPUI, Indiana State University, private sectors, and different departments at Purdue delivered informative and interesting presentations while interacting with students.

In addition, the career lunch talk invited nine panel presenters to interact with students about GIS career opportunities, where students got suggestions on how to prepare for their career from the employers point of view. All presentations that took place on GIS Day are available on Purdue e-Pubs for download: http://docs.lib.purdue.edu/

The success of our GIS Day events was made possible by great collaboration and support across the university including: The Office of the Provost, College of Liberal Arts, College of Agriculture, College of Science, College of Education, College of Technology, the Graduate School and Purdue University Libraries.
STUDENT COMPETITIONS

“Why I Love Purdue Libraries” Video Contest

In conjunction with the Hicks Renovation Celebration, Purdue University Libraries is launched its second annual “Why I Love Purdue Libraries Video Contest,” this past September, with a top award of $400 to be announced on November 1.

The contest is open to all current, enrolled Purdue University students. All eligible video entries must be 1 to 3 minutes in length and follow the complete rules and guidelines for the contest. Finalists will be selected by Purdue Libraries Undergraduate Student Libraries Advisory Council (USLAC) and winners will be selected by the Libraries Dean’s Council from those finalists. Contest finalists and/or award winners will be featured on Purdue Libraries website and communications channels and all awards will be distributed through Purdue University Financial Aid Division.

These videos have been shown to alumni, donors, Board of Trustees members and the community so they hear in students’ own words, the value of Purdue University Libraries.

2014 Winning Videos

FIRST PLACE:
Zacharie David Riddle – Sophomore, Exploratory Studies
http://youtu.be/3rM8XYbwEoE

SECOND PLACE:
Tre’ Bennett – Sophomore, CGT
https://www.youtube.com/watch?v=6lulf8ti_s&feature=youtu.be

THIRD PLACE:
Andrew Fan – Junior, Mechanical Engineering
Kristy Lau – Professional 2nd Year, Pharmacy
https://www.youtube.com/watch?v=7QKdOlRnMV4&feature=youtu.be

Why I
LOVE
Purdue University Libraries
VIDEO CONTEST
WHEN: Friday, Sept. 26 to Friday, Oct. 24, 2014
AWARDS: • $400 - 1st place;
• $250 - 2nd place;
• $100 - 3rd place
GUIDELINES: Go to lib.purdue.edu for complete details and guidelines. Submit 1 to 3 minute videos to: walker81@purdue.edu or directly through link on Libraries home page at: lib.purdue.edu.
With preeminent scientists and scholars in agriculture, business, education, engineering, science, health care, environmental sciences, humanities, social sciences, manufacturing, technology, veterinary medicine and the arts, Purdue is a national and global leader in discovery and innovation.

In 2004, Purdue’s President challenged the Libraries to demonstrate its relevance to this research mission. At the time, Purdue University Libraries were seen as having diminishing value for researchers in STEM fields. Focusing on transforming the new role of Libraries faculty members, Purdue University Libraries have become pioneers in developing new models for partnering with Purdue researchers and the university’s research enterprise.

Our Libraries faculty members are not mere service providers in the research process, but are active partners. Libraries faculty actively collaborate on research projects, exploring new ways in which the principles of Library and Informational Science can address the unmet and emerging needs of Purdue researchers, advancing research and improving the competitiveness of Purdue research in the process.

Since 2008, Purdue Libraries faculty members have collaborated on 44 grants and contracts, totaling over $2.8M. This role has been acknowledged on campus in a number of ways, including the participation of the Libraries in cluster hire programs in Molecular Biology and Big Data. Participation in these programs required the support of other Deans, and was funded by the Provost.

One outcome of these efforts has been the development of cutting-edge eScience and research data management services, an area in which Purdue University Libraries are acknowledged, international leaders. We have developed approaches for working with Purdue researchers that have not only been successful locally, but that have been adopted and emulated by Libraries around the world. We have developed a leading institutional research data repository, developed innovative publishing programs aligned with the needs of campus researchers, and been open access advocates. We have also found other ways to support the research needs of our faculty, such as the Library Scholars Grant Program and the creation of unique special collections.

In 2013-14, Purdue University was: ranked 48th by Times Higher Education World University Ranking; 60th in the Academic Ranking of World Universities; and third highest overall (second among public universities) in number of International Students by the 2014 Open Doors Report on International Educational Exchange (published in partnership with the U.S. Department of State’s Bureau of Educational and Cultural Affairs).
DATA SERVICES

An emerging area of opportunity for research libraries is research data. Not only are data, as a scholarly product, an increasingly important issue within scholarly communication, but data management is a significant and growing challenge to research universities. At Purdue University Libraries, we apply the principles of library and archival sciences to meet the challenges and needs of researchers and students in finding, using, preparing, managing, curating and preserving research data.

The Purdue University Research Repository (PURR) (http://purr.purdue.edu) is central to Purdue's data services, and is one of the leading institutional data repositories in the world. PURR provides an online, collaborative working space and data-sharing platform to support the data management needs of Purdue researchers and their collaborators. PURR allows researchers to collaborate on research and publish datasets online. Examples of research data may include spreadsheets, instrument or sensor readings, software source code, surveys, interview transcripts, or images and audiovisual files. Sharing the data that supports your research enables other scholars to reuse and cite your data as well as to reproduce research. Published data is assigned a DataCite DOI, which facilitates citation and tracking of the use and impact of datasets. Published data are also managed for the long-term within Purdue’s digital preservation environment. The Purdue Libraries developed PURR in partnership with Information Technology at Purdue (ITaP) and the Office of the Vice President for Research.

Introductory Video: https://www.youtube.com/watch?v=Yw0IJj7FqA8

Beyond PURR, we provide a range of other services and partnerships to promote the management and sharing of research data. We regularly consult with faculty and research labs to help them assess their data needs. This is often done using the Data Curation Profile toolkit, an assessment instrument developed by researchers within the Purdue Libraries and the University of Illinois Graduate School of Library and Information Science.

A Data Curation Profile is essentially an outline of the “story” of a data set or collection, describing its origin and lifecycle within a research project. The Profile and its associated Toolkit grew out of an inquiry into the changing environment of scholarly communication, especially the possibility of researchers providing access to data much further upstream than previously imagined.

Data Curation Profiles can:
- provide a guide for discussing data with researchers
- give insight into areas of attention in data management
- help assess information needs related to data collections
- give insight into differences between data in various disciplines
- help identify possible data services
- create a starting point for curating a data set for archiving and preservation

The development of Data Curation Profiles has greatly influenced the development of PURR, but also helped the Libraries identify opportunities for new services, such as data management plan consulting and data information literacy, and has also provided opportunities for specific research collaborations that have helped the Libraries to have a better understanding of research workflows and practices.

The Libraries have provided one of these services, data management plan consulting, since 2011. The Libraries, in collaboration with Office of the Vice President for Research and ITaP, have hosted a series of workshops for current or potential principal investigators to help them be ready to access research data when their funding agency, journal editor, collaborators or other researchers ask for it. The workshops discuss data management plan requirements and data sharing policies of federal funding requirements such as the National Science Foundation, the National Institutes of Health, and the National Endowment for the Humanities. New requirements have been forthcoming since a memo from the Office of Science and Technology Policy directed agencies to develop plans to make the published results of federally funded research more widely available. In addition to the workshops, data specialists and liaison librarians within the Libraries regularly consult with faculty on their data management plans on an individual basis.

Education has been another important area of data services. Along with collaborators from the University of Minnesota, the University of Oregon, and Cornell University, faculty within the Libraries have developed a curriculum designed to effectively prepare the next generation of scientists for data management and curation challenges inherent within the dynamic e-science environment.

This was implemented in a short course for Purdue College of Agriculture graduate students, co-taught by Purdue Libraries faculty members Jake Carlson and Marianne Stowell Bracke, in Spring 2014. This has led to additional teaching opportunities. Pete Pascuzzi, Molecular Biology Information Specialist in the Purdue Libraries, applied these principles to his teaching of Biochemistry 695 (Introduction to R and Bioconductor) and Bracke will be co-teaching Agronomy 598-049 (Introduction to Data Management) in Spring 2015. Additionally, Nicole Kong, GIS Specialist in the Purdue Libraries, has been teaching geospatial data management
Data Services (continued)

in a series of workshops. These workshops led to the opportunity to teach a graduate-level course in Forestry and Natural Resources (“Advanced GIS and Spatial Analysis”) in Fall 2014 and a graduate-level course on GIS for Humanists and Social Scientists in Spring 2015.

Beyond our local data services, Purdue University Libraries have been active in a number of initiatives that have advanced data services on a global scale. The Libraries were a founding member of DataCite, an international organization dedicated to promoting easier access to research data through the use of DOIs. Along with the California Digital Library and the US Department of Energy’s Office of Scientific and Technical Information, the Libraries are engaging with the research community within the United States to promote the adoption of DOIs, promote the sharing of research data, and promote the citation of data. The Purdue Libraries are also an organizational member of the Research Data Alliance (RDA) and are represented on RDA’s Organizational Advisory Board. Additionally, Michael Witt, Head of the Purdue Libraries’ Distributed Data Curation Center (D2C2), was a founder of DataBib. DataBib is a searchable registry of research data repositories. It is currently merging with re3data.org, a similar initiative based at the Karlsruhe Institute of Germany, to expand the global reach and impact of the service. Finally, the Purdue Libraries played a leadership role in the creation of the ARL E-Science Institute.

PURDUE LIBRARIES WELCOMES INTERNATIONAL VISITORS 2013/2014

West Lafayette, IN has become a popular destination for visitors around the world interested in learning about the Purdue Libraries’ innovative programs. In 2014, the Purdue Libraries hosted visitors from Singapore, China, South Africa, Sweden, Finland, New Zealand and Canada.

Librarians from Nanyang Technological University, Samantha Ang, Deputy Director, Scholarly Communication Group and Head of Science Library and Su Nee Goh, Senior Assistant Director, Head Designate of Data Management visited Purdue University Libraries March 3-5, 2014 to learn more about data management and services at Purdue. Ang visited campus once before for the IATUL meeting in 2010. During their three day visit they met with many faculty and staff to discuss various aspects of work with data at Purdue.

Later in 2014, the Purdue Libraries hosted two visiting scholars from China. Dr. Hui Wang (National Science Library, Chinese Academy of Sciences, Beijing, China) spent six months at Purdue learning about data service plans, projects, initiatives and much more. Dr. Wang was joined by Tianfang Dou (Tsinghua University Library, Beijing, China), who visited the Purdue Libraries for three months. During this time she learned the strategies, policies, services, and tools Purdue and other institutions use in the management of data throughout the research lifecycle. Describing her experience, Dou stated that “As a full participant in data services at Purdue, I have gained a wealth of first-hand experiences with library research data services, tools and practices. What I have learned from Purdue Libraries will be taken back to my home country and will definitely benefit my own library, Tsinghua University library.”
DESIGNING DATA SHARING PLATFORMS FOR THE FUTURE

Access to well-organized and searchable data is essential to support research in the 21st century. In her expanding librarian role, Marianne Stowell Bracke, Agricultural Sciences Information Specialist, Associate Professor of Library Sciences, Purdue University Libraries works to address the critical need for data management within these fields.

Working alongside such forward-thinking Purdue University faculty as Sylvie Brouder, Professor of Agronomy, Marianne is helping to establish consistent and mainstream data practices for research and collaboration within the fields of Agricultural Science and Agronomy. Agricultural Sciences, specifically, the field of agronomy does not have a history of consistent data management platforms or practices in place.

With pressure from the National Science Foundation (NSF) and other Federal agencies to establish such standard measures for research and innovation, Marianne, Sylvie and a team of researchers, librarians and colleagues from across the industry convened last fall in Washington, D.C. to start a conversation about the current and future landscape of data management in within this discipline.

Key presenters at this inaugural data management symposium included representatives from organizations as the Cochrane Collaboration, a not-for-profit organization with collaborators from over 120 countries working together to produce credible, accessible health information that is free from commercial sponsorship and other conflicts of interest.

There was an immediate and abundant response to the symposium. Their team was very encouraged by the open and frank conversations taking place, and discovered new opportunities and partnerships to help keep the conversation going.

A key outcome from the symposium is the interest in the expanding role of librarians as it relates to data management services and support. Marianne has been able to help connect researchers and colleagues with data management resources and support within many universities and industries across the country and be a key player in the significant transformation in the role of a librarian.
In addition to its pioneering work in research data services, the Libraries are also engaged in innovative initiatives to promote Purdue-led research. The Purdue University Libraries publishing division creates a collaborative environment by uniting Purdue University Press with Scholarly Publishing Services. The publishing division is dedicated to enhancing the impact and extending the reach of academic research and scholarship through the development and dissemination of books, journals, digital collections, innovative electronic products, technical report series, and conference proceedings.

In collaboration with fellow information professionals in the Libraries and across the University, we provide targeted services to support Purdue faculty, staff, and students at all stages of the scholarly communication process, as well as scholars working beyond the confines of Purdue. The Purdue University Libraries publishing division provides an active open access journal publishing program, has developed partnerships to develop new models of technical report and conference proceeding publishing, and an active post-print/publisher PDF suite of services through our institutional repository, Purdue e-Pubs, that to date has over 40,000 open access objects and over 8 million downloads since 2006.

The impact of this division is also having an impact on libraries nationwide, both through regular presentation of their work at conferences but also through the work of the Library Publishing Coalition, with Purdue University Libraries playing a critical leadership role in its founding.

While other universities have developed publishing services, the deep collaborations with campus partners that characterize Purdue University Libraries’ program make it a unique and noteworthy initiative. The collaboration with the Joint Transportation Program (JTRP) is a perfect illustration. JTRP is a research center, jointly funded by Purdue University and the Indiana Department of Transportation, with a long history of technical report production. Looking for both improved approaches to their publishing process and increased impact for their technical reports, JTRP entered a partnership with the Purdue Libraries in 2010 to digitize the programs’ backfiles and develop new workflows for the creation of new reports.

Formerly only available in print, the JTRP technical reports now enjoy increased availability and dissemination—garnering over 1 million downloads. And the visitors are not just from the State of Indiana—they come from all 50 states as well as overseas, indicating that JTRP is fulfilling its goal of providing increased access to state-funded research with an aim to decrease investment in duplicative research both nationally and globally. However, the partnership does not end there: the Libraries additionally lent their expertise to apply more formal publication practices to the reports moving forward. We have been providing such services as enhancing bibliographic metadata and adding DOIs, as well as helping to develop workflows for publishing future technical reports directly to the repository using the peer-review tools available in e-Pubs.
ADVANCING PURDUE SCHOLARSHIP AND EXPANDING OPEN ACCESS: PURDUE E-PUBS SURPASSES 8.0 MILLION DOWNLOADS

Purdue e-Pubs institutional document repository provides free, global online access to scholarship. Continuing on its steady record pace, Purdue e-Pubs recently surpassed 8.0 million downloads and 40,000 objects.

These 40,000 objects have been critical to Purdue e-Pubs’ mission, to serve Purdue’s campus community by providing free global online access to Purdue scholarship and research. To date, every college on Purdue’s West Lafayette campus has a presence in the repository. Purdue e-Pubs continues to be a central place on campus advancing the impact of scholarship at the global, national and local level. Purdue University Libraries began providing the Purdue e-Pubs service to the campus community in 2006 as a means to openly share research and scholarship in a stable, open, and citable format.

Measuring and reporting impact is an important part of the Purdue e-Pubs service model. As well as having all content indexed in Google Scholar, Purdue e-Pubs uses Google Analytics to gather qualitative information. The repository also issues automatic monthly download notifications to authors, allowing authors the opportunity to demonstrate the reach of their scholarship, not only to academic colleagues and administrators, but to taxpayers, policymakers, and media outlets.
Energy sustainability and climate change are the focus of a recent book, published by Purdue University Press in collaboration with Purdue’s Global Policy Research Institute (GPRI). The book, *Understanding the Global Energy Crisis*, provides timely insights into one of grand challenges of our time and will be a valuable source of up-to-date information for advanced-level students and policy makers. It represents a trans-Atlantic collaboration between Purdue and the Dublin Institute of Technology (DIT) with authors from both institutions, and is edited by Eugene D. Coyle and Richard A. Simmons. Professor Coyle, previously at DIT, is now Dean of the Military Technological College of the Sultanate of Oman, while Richard Simmons is Executive Director of Purdue’s Air Transport Institute for Environmental Sustainability.

As well as being published in print and commercial e-book formats, *Understanding the Global Energy Crisis* is being made freely available online (http://docs.lib.purdue.edu/purduepress_ebooks/29/).

“The issues we face in energy supply and use are global ones,” explains volume co-editor Coyle, “Making this book freely available online allows anyone with an Internet connection to access high quality information, and will spark the innovative solutions the world needs to address these major challenges.” Open access availability has been made possible thanks to pledges of support from over 300 academic libraries from 24 countries, working through the Knowledge Unlatched (KU) consortium. The book is one of only 28 volumes selected for the pilot collection. Two of these are Purdue-published books, giving the University a major stake in this highly innovative, international, open access monograph project.

Knowledge Unlatched is committed to creating a positive change in scholarly communication landscapes by helping libraries to share the costs of publishing high quality specialist scholarly books and making them available in Open Access. The Knowledge Unlatched (KU) Pilot Collection is the first step in creating a sustainable route to Open Access for Humanities and Social Sciences (HSS) books. KU’s Pilot Collection of 28 new books from 13 recognized scholarly publishers, including Purdue University Press, will become Open Access. Support from a minimum of 200 libraries willing to participate in the KU Pilot was required in order to achieve this goal. This target was exceeded by almost half, with close to 300 libraries from 24 countries joining KU in support of its shared cost approach to Open Access for specialist scholarly books.

### Mellon Foundation Awards Purdue with $539,000 Interdisciplinary Discovery Program Grant; Call for Proposals

Water scarcity, food insecurity, energy dependence, global pandemics, and climate change are examples of the ill-defined “Grand Challenges” for which public policy makers look to researchers for solutions. Science and engineering can suggest technological solutions to some aspects of these problems, but real world implementation fails without the insights of humanists and social scientists.

Purdue University Libraries and Press, the College of Liberal Arts, the Global Policy Research Institute (GPRI), and Discovery Park have received a $539,000 grant from the Andrew W. Mellon Foundation. Purdue University Libraries/Press is the lead P.I. on this grant. The funding will support an innovative program that combines interdisciplinary discovery led by humanists, social scientists, and STEM faculty with impactful delivery of research results to policy makers.

The first goal of the project to encourage humanities and social sciences (HSS) faculty to initiate and fully participate in research programs that address the “Grand Challenges” of the 21st century, large-scale, pressing, public policy problems which can only be solved through interdisciplinary research.

$300,000 in grant money was used to fund 5 projects addressing global issues related to clean water and sanitation, food supply, disaster response, and pollution.

The second goal will be to facilitate the scholarly communication process in a way that maximizes the political and social impact of research. The remaining funding provides for information management and publishing support for the grant awardees, and builds on a growing program of public policy publishing at Purdue University Press.
The Library Scholars Grant Program, administered by Purdue University Libraries, focuses on supporting access for untenured-track members of the Purdue faculty, and associate professors tenured effective July 1, 2012, or later, to unique collections of information found around the country and the world. Awards of up to $5,000 are made for this purpose, per award recipient. Over $110,000 in grant awards have been distributed since the program’s inception.

The goal of the Library Scholars Grant Program is to help untenured tenure-track Purdue faculty members, and recently tenured or hired associate professors gain access to library materials necessary for research required for their continued growth as faculty members.

Just as people come to Purdue to use our unique collections, the research of Purdue faculty may require visiting unique collections. Therefore, the Library Scholars Grant Program offers support to eligible Purdue faculty for expenses associated with travel to archives or collections beyond Purdue, including the cost of transportation, lodging, meals, and fees charged by the library or other collection owner for access, photocopying, scanning and more.

The 2014 Library Scholars Grant Program award recipients include:

ALICIA C. DECKER, assistant professor of History and Women’s, Gender, and Sexuality Studies, was awarded $5,000 to travel to the Truth and Reconciliation Records Collection at the National Archives Repository in South Africa to support research on her new book Public Secrets: A Gendered History of Enforced Disappearance in Post-Colonial Africa.

MICHAEL JOHNSTON, assistant professor of English, was awarded $5,000 to travel to the United Kingdom in the summer of 2014 to research the reception history of medieval English literature.

SILVIA Z. MITCHELL, assistant professor of European history, was awarded $5,000 to travel to Spain to conduct research at the Archivo Histórico Nacional in Madrid and the Archivo General de Simancas in Valladolid for her book-length manuscript, Spain under Mariana of Austria: Court, Dynastic, and International Politics in Seventeenth-Century Europe.

YVONNE PITTS, assistant professor of History, was awarded $3,380 to continue research for her article, “Vile Characters” and Property Law: Regulating Prostitution and Creating Property in Civil War Era Nashville, 1860-1868” which examines the short-lived system of regulated prostitution in wartime Nashville, Tennessee.

MICHAEL I. ZIMMER, assistant professor of Molecular Microbiology & Immunology at Purdue Calumet, was awarded $2,742 to travel to Yale University in New Haven, Connecticut, to conduct research on the academic career and personal life of John Franklin Enders.
Libraries’ leadership role also extends to the development of special collections and archives in Purdue’s signature areas. Archives and Special Collections have been developed in the last decade that reflect the core strengths of the University – agriculture, engineering and science and the professional schools of business, pharmacy, and veterinary medicine. The Barron Hilton Flight and Space Exploration Archives was established in 2011 with generous support provided by Barron Hilton and the Conrad Hilton Foundation and now includes the papers of engineers, aviation professionals, scholars, and astronauts including Purdue distinguished alumni such as Neil A. Armstrong and Eugene Cernan. The Goss Collection of Engineering and Transportation has outstanding materials that represent the history of engineering and transportation from the 16th century through the 20th. The Psychoactive Drug Research Collection supports pharmacological research in brain receptor absorption of medication to control Parkinson’s and Alzheimer’s diseases. The Susan Bulkeley Butler Women’s Archives was established in 2006 as a means of documenting the pioneering women who helped shape Purdue and Indiana history. Purdue Libraries Archives and Special Collections is also completing a multi-year campus-wide project to identify and document the myriad sources of hidden Purdue history located across campus.
PSYCHOACTIVE SUBSTANCES RESEARCH COLLECTION

The Psychoactive Substances Research Collection is housed in the Virginia Kelly Karnes Archives and Special Collections Research Center at Purdue University Libraries. The Archives and Special Collections contains manuscripts, rare books, printed materials, photographs, artifacts, and artwork ranging from a papyrus fragment to materials concerning Purdue History. We invite and encourage general public, students, faculty, and researchers to use our collections, whether the purpose is for teaching, research, or pure curiosity.

This collection was established in 2006 with generous funding provided by the Betsy Gordon Foundation. This unique collection of materials documents the history of psychoactive substances and their applications for medicine and healing.

Types of materials being sought for the Psychoactive Substances Research Collection include the papers and writings of scientists, doctors, researchers, and other scholars who have been recognized on a national and international level for their contributions to knowledge in this area. In particular, this collection will consist mainly of primary source materials such as manuscripts; diaries; research notes and data; correspondence; photographs; awards and certificates; oral histories, and other materials of enduring value.

Perhaps most notable are aeronautical engineering graduate, Neil Armstrong, the first man to walk on the Moon, and electrical engineering graduate Eugene Cernan, the most recent to walk on the moon.

THE SUSAN BULKELEY BUTLER WOMEN’S ARCHIVES

The Susan Bulkeley Butler Women’s Archives was established in 2006 as a means of documenting the pioneering women who helped shape Purdue and Indiana history. The Purdue Archives and Special Collections unit actively acquires the papers of women affiliated with Purdue or Indiana. Of special interest are the papers of women who have succeeded in largely male-dominated professions such as engineering, technology, science, and management. The Women’s Archives enables researchers and the Purdue community to rediscover the contributions of women by highlighting their achievements throughout history.

HILTON FLIGHT AND SPACE EXPLORATION ARCHIVES

The 2011 gift from the Hilton Foundation and Barron Hilton helped establish an endowment for the Flight Archives, which has resulted in a marked growth of the collection. The Hilton Flight and Space Exploration Archives holds primary source materials related to the history and development of powered flight and manned space exploration. The original collection began with the gift of aviator Amelia Earhart’s papers by her husband George Palmer Putnam in 1940. Over the decades, the number of flight-related archival collections has increased to reflect the steady growth of Purdue University faculty and alumni contributions to the development of aviation and later, space exploration.

Since a number of Purdue graduates and faculty played key roles in the advancements of the Space Age, the Hilton Archives hold papers of astronauts, engineers, project and program administrator, and those in related fields.
• 2013 Association of College and Research Libraries (ACRL) Innovation Award—Distributed Data Curation Center (D2C2), Purdue University Libraries
• 2013 Centers of Excellence Award, Management Category—Roland G. Parrish Library of Management and Economics, Purdue University Libraries
• 2013 International Interior Design Association (IIDA) Idea Awards—Roland G. Parrish Library of Management and Economics, Purdue University Libraries
• 2013 ITS M&O Council Award—Indiana Department of Transportation in Collaboration with Purdue University Libraries
• 2013 Literati Network Awards for Excellence—Outstanding Paper Award:
• 2013 Top Twenty Article Authors from American Library Association (ALA), April 2014—Four Purdue University Librarians honored
• 2014 Library Journal Award, Outstanding Design—Hicks Undergraduate Library
• 2014 QUT Higher Education Research Best Publication Award—Clarence Maybee.
Ilana Barnes and Tao Zhang presented “User Experience Research 101” for the RUSA webinar, March 5, 2014.

Ilana Barnes presented Letting Gogh of the Traditional Lecture and Lab: Flipping the Business Information Literacy Classroom at the 42nd LOEX Conference, Grand Rapids, May 8-10, 2014.

Amy J. Barton presented “Purdue University Research Repository: Supplying the Downstream Digital Humanities Pipeline” at the iDCC 2014, San Francisco, California, February 2014.

Amy J. Barton presented a poster, “Purdue University Research Repository: Supplying the Downstream Digital Humanities Pipeline” at the id-ce 2014, San Francisco, California, February 2014.


Marianne Stowell Bracke gave the panel presentation “Front, Center and Back Stage: Contemporary Solutions for User Engagement and Discovery” at the ARL Leadership Symposium at 2014 ALA Midwinter in Philadelphia, PA, January 2014.

Paul J. Bracke, Heidi Imker and Barbara Pralle gave the presentation, “Data Management Programs – Getting to Concrete Results” at the ARL Membership Meeting Fall 2014. Washington, DC on October 8, 2014

Paul J. Bracke, Amy Barton and Ann Marie Clark gave the presentation, “Coding Human Rights Appeals in International Politics: Researching Amnesty International’s Urgent Action Texts” at the 2014 American Political Science Association Annual Meeting in San Francisco, CA, August 2014


Jake Carlson, Lisa Johnston, Brian Westra and Mason Nichols presented “Developing an Approach for Data Management Education: A Report from the Data Information Literacy Project” at the 8th Annual International Digital Curation Conference (iDCC), Amsterdam, Netherlands, January 15, 2013.

Jake Carlson, Jon Jeffryes, Brian Westra and Sarah Wright, gave a poster presentation “Data Information Literacy: Multiple Paths to a Single Goal” at a Research Data Symposium sponsored by the Center
Jake Carlson, Jared Lyle, Mary Vardigan and Ron Nakao, presented “An Applied Approach to Data Curation Training at the Inter-university Consortium for Political and Social Research (ICPSR)” at the DigCurV 2013 International Conference.


Jake Carlson, Michael Fosmire, Marianne Stowell Bracke, Lisa Johnson, Brian Westra and Sarah Wright presented “Growing E-Scientists: Developing Discipline-Specific Data Literacy Curricula” at the ACRL, 2013.

Jake Carlson, Michael Fosmire, Marianne Stowell Bracke, Lisa Johnson, Brian Westra and Sarah Wright presented “Growing E-Scientists: Developing Discipline-Specific Data Literacy Curricula” at the ACRL, 2013.


Jake Carlson and Megan Sapp Nelson presented “Data Information Literacy” at the Committee on Institutional Cooperation (CIC) Library Conference, University of Michigan, Ann Arbor, Michigan, May 22, 2014.

Jake Carlson and Hailey Mooney presented “Developing Data Literacies for Graduate Students in the Social Sciences” at IASSIST, Toronto, Ontario, Canada, June 4, 2014.

Carly Dearborn presented “Let’s Talk Digital: Communicating Digital Preservation Workflows to Donors” at the Personal Digital Archiving Conference in Indianapolis, IN, April 11, 2014.

Tomalee Doan presented “Transforming Student-Centered Learning at Purdue University” at the CIC Transforming Learning Libraries and Higher Education, May 22, 2014.

Tomalee Doan, Clarence Maybee and Beth McNeil presented “Making an IMPACT! Advancing student-centered learning at Purdue University” at the Society for College and University Planning (SCUP), Pittsburgh, PA, July 2014.


Donna Ferullo presented “Copyright: Mission Possible” at Brigham Young University, Provo, UT, October 25, 2013.

Donna Ferullo was a co-presenter at the all-day pre-conference, “From Speculation to Litigation” at the ACRL, 2013.

Donna L. Ferullo presented “Copyright and Higher Education: Making it Work for You” at the Eastern Virginia Medical School, Norfolk, VA, April 29, 2014.

Donna L. Ferullo participated on two panels: “Updates on Current Copyright Court Cases” and “Fair Use Scenarios” along with Dwayne Buttlar, JD; Tom Lipinski, JD; Gretchen McCord, JD and Naz Pantalon, JD and moderated a panel titled, “MOOCs.” She also gave two presentations, “Licensing and Permissions” and “Digitization and Copyright Issues,” at the Eleventh Annual Copyright Conference at Ball State University, Muncie, IN, April 22-23, 2014.


K. Anna Douglas, Ruth E.H. Wertz, Michael Fosmire, Senay Purzer, and Amy Van Epps presented “First Year and Junior Engineering Students’ Self-Assessment of Information Literacy Skills” at the ASEE Annual Conference and Exposition, Indianapolis, IN, June 15-18, 2014.

Catherine Fraser Riehle presented “Collaborators in Course Design: A Librarian and Publisher at the Intersection of Information Literacy & Scholarly Communication” at the 42nd LOEX Conference, Grand Rapids, May 8-10, 2014.

Jeremy Garrittano and Jane Yatcilla presented “Participatory Design of the Active Learning Center, a Combined Classroom and Library Building” at the 2013 CLIR Participatory Design Seminar: Sharing Research, Ideas, and Methods, University of Rochester, Rochester, New York, June 7, 2013.

Reynol Junco was a panelist for “Creativity VS. Privacy for Tweens: The debate heats up” at the Sandbox Summit, MIT, Cambridge, MA, April 16, 2013.

Reynol Junco was a panelist on NPR’s Tell Me More discussing hate speech on social media, April 22, 2013.

Nicole Kong, Catherine Dossin and Beatrice Joyceux-Prunel presented “ARTl@S” at Global Art History and the Peripheries Conference, Paris, France, June 2013.


Nicole Kong, Asish Ghoshal, Erin Huang presented “A web crawling tool for geographic information discovery” at the Association of American Geographers Annual Meeting, Tampa, FL, April 8-12, 2014.

Nicole Kong, Michael Fosmire, Abhinav Ghai and Chris Miller presented “Harvesting Online Information by Auto Parsing Web Content — a new approach to collect geospatial data online” at the ACRL, 2013.

Nicole Kong, Tao Zhang and Hana Stonebraker presented “Functionality and usability evaluation of Web GIS in academic libraries,” at the 37th Applied Geography Conference, Atlanta, GA, October 15-17, 2014.


Clarence Maybee, Jeremy Garritano and Tomalee Doan presented “IMPACT, Information Literacy and Learning Spaces” at the ACRL, 2013.


Clarence Maybee, Maribeth Slobodnik and Jake Carlson presented “Analyzing departmental syllabi to identify liaison opportunities for information and data literacy” at the Indiana University Libraries Information Literacy Colloquium, South Bend, IN, August 1, 2014.


James Mullins presented “Tsinghua and Purdue: Research Libraries for the 21st Century” at Tsinghua University, Beijing, China, August 26, 2013.


James Mullins presented “Purdue University the Active Learning Center – A new concept for a library,” at the Association of University Architects 59th Annual National Conference, University of Notre Dame, South Bend, IN, June 23, 2014.

James Mullins, panel moderator for “Science+art=creativity: libraries and the new collaborative thinking,” at the International Federation of Library Associations (IFLA) 80th General Conference and Assembly, Lyon, France, August 19, 2014.


Megan Sapp Nelson presented “Seeking our niche: Understanding the needs of research personnel to develop e-science services” for the webinar Research Data Curation Part 1: E-Science Librarianship.

Megan Sapp Nelson, Amy S. Van Epps, J.J. Bhatt and K.A. Vagts gave the panel presentation “Libraries’ role in open data” at the ASEE Annual Conference and Exposition, Atlanta, GA, June 2013.

David Scherer presented “IRs Supporting Community Engagement, Part 3: Open-Access Transportation Research at Purdue University” at the Digital Commons Webinars, Bepress, May 2, 2013.


Dave Scherer, Lisa Zilinski, and Courtney Matthews presented “Opportunities and Challenges of Data Publication: A Case Study from Purdue” at the 2013 Charleston Conference, Charleston, South Carolina, November 8, 2013.

David Scherer and Katherine Purple presented “The Best of Both Worlds: Creating a Continuum of Publishing Services for Purdue University” at the Library Publishing Forum 2014, Kansas City, MO, March 5-6, 2014.


David Scherer and Iliana Stonebraker presented “Improving Instruction: Metaliteracy through Crowdsourcing in the Classroom” at the Indiana University Information Literacy Colloquium, South Bend, IN, August 1, 2014.

Amy S. Van Epps presented “Beyond JEE: Finding publication venues to get your message to the ‘right’ audience” at ASEE Annual Conference and Exposition, Atlanta, GA, June 2013.

Amy S. Van Epps presented “Educating for evidence based decision in engineering: The view as librar-


Amy S. Van Epps presented “Here’s CELT”[Lightning talk] at the ASEE Annual Conference and Exposition, Atlanta, GA, June 2013.

Amy S. Van Epps, Michael Fosmire, R.E.H Wertz S. and Purzer, presented “Measuring science and technology information literacy competencies: Creation of the CELT assessment” at ALA Annual Conference, Chicago, IL, June 2013.

Suzanne Ward and Judy Nixon presented a poster “What Are Academic Library Director’s Opinions of e-Book PDA?” which included the results of a survey of Indiana library directors, at the ACRL Conference, April 2013.

Sharon Weiner presented “Information Literacy: Research, Policy, and Practice” at the University of South Carolina, School of Library and Information Science, March 22, 2013.


Sharon Weiner was a panel member for “Evidence-Based Practices Discussion Group” at American Library Association Annual Meeting, Association for College and Research Libraries University Libraries Section, June 2013.

Sharon Weiner and Li Wang (University of Auckland) presented “Preparing Librarians to be Campus Leaders through Mapping and Integrating Information Literacy into Curriculum” at the 42nd LOEX Conference, Grand Rapids, Michigan, May 8-10, 2014.


Sharon Weiner presented “Learning Commons and Transitions to College and Workplace” at the Wabash Regional Library, Wabash Regional Education Center, West Lafayette, IN, September 30, 2014.

Sharon Weiner, Sammie Morris and Larry Mykytiuk presented “Spanning Boundaries to Identify Archival Literacy Competencies” at the Library Research Seminar VI, University of Illinois At Urbana-Champaign, Champaign, IL, October 8, 2014.

Sharon Weiner gave the keynote presentation “Pulling Out All the Stops! To Advance Information Literacy” at the Texas Library Association District 3 Meeting, Texas State University at Round Rock, October 17, 2014.

Michael Witt presented “Databib: Cataloging the World’s Data Repositories” at the 11th Library Lecture Series, Central Library, Jawaharlal Nehru University, New Delhi, India, March 19, 2013 and at CALIBER 2013, Gandhinagar, India, March 22, 2013.

Michael Witt and Ramesh C. Gaur presented “Data Curation in the University: Libraries, Research, and Learning” at the International workshop co-chaired with support from the Purdue Office of Engagement, at Jawaharlal Nehru University, New Delhi, India, March 25, 2013.


Michael Witt, Heather Coates and Stacy Konkiel presented “Data Services: Making It Happen” at the ACRL, 2013.

Michael Witt presented “Defining and Deploying an Institutional Data Repository Service at Purdue (PURR)” at Research Data Canada, February 5, 2014.


Michael Witt presented “Purdue University Research Repository (PURR): A Commitment to Supporting Researchers” at the NISO Virtual Conference: Dealing with the Data Deluge: Successful Techniques for Scientific Data Management, April 23, 2014.


Michael Witt, Purdue University, and Maxi Kindling, Humboldt University Berlin, presented “Joining Forces: the Databib-re3data.org Collaboration” at the DataCite Annual Conference 2014, at INIST, Nancy, France, August 2014.


Michael Witt presented “Purdue University Research Repository” at the Research Data Alliance 4th Plenary, Amsterdam, Netherlands, 2014.

Michael Witt and Laura Paglione presented “Who are we talking about? The Role of Person Identifiers in Scholarly Communication” at HUBbub, Indianapolis, Indiana, 2014.

Tao Zhang, presented “A user-centered design methodology for academic libraries” at the Academic Libraries of Indiana (ALI), May 9, 2013.


Tao Zhang and Ilana Barnes presented “User Experience Research 101” and “How to Conduct Usability Studies” for References & User Services Association (RUSA) webinars, September 6, 2013.


Tao Zhang, Nicole Kong, Brandon M. Beatty, Christopher Cody Charles, presented “A Geospatial Search Component for HUBzero” at the HUBzero Conference, Indianapolis, IN, September 29–October 1, 2014.


Lisa Zilinski and Megan Sapp Nelson presented the poster “Thinking critically about data consumption: Creating the Data Credibility Checklist” at the 77th ASIS&T Annual Meeting, October 31-November 5th 2014.

Lisa Zilinski was an invited panelist at the Research Data Access & Preservation Summit 2014, “Collaboration and tension between institutions and units providing data management support,” San Diego, CA, March 26, 2014. Co-panelists included David Minor, Amanda Whitmire, and Stephanie Wright.

Lisa Zilinski was an invited panelist for “Transforming the Data Landscape: Connecting Data, Policies, and Communities” at the 77th ASIS&T Annual Meeting, October 31-November 5th 2014.
SELECTION PURDUE LIBRARIES
PUBLICATIONS/2014


D. Scott Brandt and Eugenia Kim (2014). Data curation profiles as a means to explore managing, sharing, disseminating or preserving digital outcomes. *International Journal of Performance Arts and Digital Media*, 10(1), 21-34.


December 2, 2014

Association of College and Research Libraries
50 East Huron
Chicago, IL 60622

Dear Awards Committee,

I am writing in support of the Purdue Libraries' application for the ACRL Excellence in Academic Libraries Award. This award is intended to recognize the staff of libraries for the development of programs that are exemplary in advancing the academic mission of their institution. I believe the work of the faculty and staff of the Purdue Libraries not only meets, but exceeds this standard.

Purdue University is a leading research university, committed to student success and transformative research. The Purdue Libraries have been vital partners in the development of the University's programs. The Libraries successfully integrated themselves with teaching and learning initiatives, becoming leaders in the design of new learning spaces on campus, leaders in the campus' adoption of active learning techniques, advocates for the inclusion of information literacy in the core curriculum, and partners in teaching. Our Libraries have transformed the Parrish Library of Management and Economics and the Hicks Undergraduate Libraries into learning spaces that are models for campus, and that have advanced active learning initiatives on campus. The forthcoming Active Learning Center will not only build upon these efforts, but will be an innovative model for the integration of library and classroom spaces for universities nationwide. Our Libraries faculty have also played an important role in the Instruction Matters: Purdue Academic Course Transformation (IMPACT) initiative. IMPACT is an innovative program to incorporate research on student-centered learning and teaching, including active learning, into foundational courses on campus. Libraries faculty are members of course redesign teams and Tomalee Doan, Associate Professor in the Libraries, is part of the IMPACT management team. The Libraries have also been leaders in the incorporation of information literacy as a foundational learning outcome in Purdue's core curriculum, and have developed partnerships with faculty from other areas of campus to incorporate information literacy into teaching for all undergraduates.

The Purdue Libraries have also become active partners in Purdue's research enterprise, particularly in the area of research data management. The Purdue Libraries have an international reputation as leaders in this area, a reputation developed through initiatives that have allowed the Libraries and campus to develop a sophisticated understanding of the issues facing modern research universities in an era of computational research and funder mandates for the
management and sharing of research data. Purdue Libraries faculty have developed services that have shaped approaches to data management on campus and the development of data management plans for funding agencies. These include the Data Curation Profiles Toolkit, Data Management Planning consulting service and the Purdue University Research Repository (PURR). These efforts have not only been leading initiatives within their field, but have also been highly collaborative on campus. The Purdue Libraries have developed productive research partnerships with faculty across campus, and have also partnered with Information Technology at Purdue (ITaP) and the Office of the Executive Vice President for Research and Partnerships in the development of PURR.

The work of the Purdue Libraries in developing new models for scholarly communication has also had a positive impact on the campus. The Libraries’ Scholarly Publishing Division, which includes the Purdue University Press, has active publishing programs in areas aligned with Purdue’s strengths. This includes an open access journal publishing program, the publishing of technical reports, and the development of an open access pre- and post-print repository, Purdue ePubs. Since 2006, ePubs has seen more than 8 million downloads testament both to the quality of research at Purdue and the role of the Libraries in amplifying the impact of research.

Having been a faculty and administrator at two other CIC institutions, I can confidently say that Purdue Libraries are at the leading edge of research libraries advancing the academic mission of their institution. Thank you for your consideration of the Purdue Libraries for the ACRL Excellence in Academic Libraries Award.

Sincerely,

Debasish (Deba) Dutta
Provost and Executive Vice President for Academic Affairs
November 18, 2014

Dear Review Committee,

I am writing in support of the Purdue University Libraries in their application for the Excellence in Academic Libraries Award. By way of introduction, I am a fifth year graduate student here at Purdue and will be graduating this term with my doctorate. Over that span of time I have interacted with the libraries as a student, researcher, instructor, and as a member of various advisory committees. Through those experiences I have had the unique opportunity to experience the breadth of the library’s activities and seen first-hand how our library system touches nearly every aspect of the University mission of teaching, research, and service.

Speaking first to the research mission, the Purdue Libraries has provided critical support throughout my doctoral studies. Through the ever-expanding repositories, collections, and electronic resources, the libraries have provided access to every reference, article, or book I have ever wanted and, through their exceptional reference librarians, many I wouldn’t even think to ask for. In addition to seminars and workshops, many of the reference librarians hold office hours across campus or are embedded in courses, providing exceptional access for students to leverage their skill and expertise. This practice of going directly to the students is, in my experience, both unique and a fantastic benefit to the students.

The libraries have also led the way in innovative publishing. Through close collaboration and consultation with faculty and student researchers, the libraries have founded and rapidly expanded an open access repository. They continue to work closely with researchers, providing guidance in navigating publication rights during the recent shift towards open access and/or electronic publication.

As to the educational aspects of the university, I believe that the Purdue libraries have truly taken their involvement to an exciting new level. Throughout the university, the libraries have been a key player in the push for information literacy as a foundational outcome. To that end, they have been embedded in courses and worked closely with faculty (and graduate instructors) to introduce information literacy concepts into their curricula. As an instructor in our first-year engineering program, I can personally attest to the shift that we have seen as information literacy becomes a more integral component of our foundational courses.

The libraries have also been at the forefront of the recent shift towards active learning and innovation not just in the classroom but of the classroom facility itself. As someone who is professionally engaged in the education space, I can attest that Purdue is indeed on the cutting
edge in terms of embracing the change towards more engaging pedagogical methods. The ability of the faculty to pivot so quickly towards this new instructional model is a direct product of the library’s engagement in the teaching mission of the university. Across campus, the libraries have added classroom spaces designed specifically for this style of learning within the library facilities and, as a result, have been a critical player in positioning Purdue as a leader in education innovation.

These efforts have culminated in the upcoming classroom-library facility, the Active Learning Center, which is currently under construction. This new facility promises to be a focal point of the campus community, positioned at the heart of the academic portion of the Purdue campus. Bridging classroom, library, and student study spaces, the Active Learning Center will be a truly unique and innovative space representing the new role of the university library. As more and more references and resources move into the online space, I believe that facilities such as this one will be the new face of libraries on campuses around the globe. Not just warehouses of books but as a learning environment at the heart and soul of the academic mission.

The Active Learning Center also serves as a prime example of how the Purdue libraries continue to engage directly with students, faculty, and staff. Throughout the design phase, every stakeholder group was consulted, their feedback incorporated, and the ongoing discussion continued. When graduate students noted a lack of graduate-centric spaces across campus, the libraries responded by adding a graduate study space to the building. When faculty noted that there was no desire for a large, traditional lecture hall in the building, the libraries removed the lecture hall and replaced it with yet more active learning space. At every step, the libraries were engaged and listening on all fronts.

This engagement is by no means limited to the Active Learning Center. Throughout my time at Purdue I have been involved with advisory committees to the libraries. In that capacity, I have seen students and faculty consulted on everything from how strongly to push open access to how many electronic journal subscriptions to add to how to redesign the library website to provide easier access to the information students most regularly use. I am quite confident in saying that you would be hard pressed to find a library system or a Dean who is more closely engaged in the student community or who more readily listens and adapts their services and operations to meet the concerns raised by the greater campus community.

Sincerely,

Blake Hylten
Graduate Student
November 25, 2014

Dear Review Committee,

As a student at Purdue University, I utilized the Libraries’ resources to fuel my success both in and out of the classroom. During my fourth year (2013-2014), I completed my degrees in biomedical engineering and communications while concurrently serving as Student Body President. The Purdue Libraries served as my hub for studying, researching and collaborating; thus, I was personally invested in the efforts of Purdue administrators to improve library facilities. As a student foremost, I had the necessary experience to recommend improvements. As a student representative, I had the tools to see those changes through.

Every Biomedical Engineering student spends the first semester of their senior year developing an intensive design capstone. Purdue Libraries offer a multitude of online resources to help facilitate the research process. The access to these tools is complemented by educational resources provided by the libraries to help students utilize the tools. Purdue libraries provided a research expert to my class to train us to use these tools. This expert significantly aided my classmates and I, cutting our research time in half while improving the quality of evidence we gathered. By providing experts to educate students on research tools available, Purdue libraries deliver a whole product solution for its students and a standard that can be replicated at other higher education institutions.

Today’s students are innovative and demanding Internet-users that expect comfort and stimulation. The Purdue Libraries recently experienced a renovation that successfully created a collaborative and exciting learning environment. These updates included additional computers, a new lounge area and easily accessible electrical outlets. Booth-style tables allow students to gather, using strategically-placed whiteboards to aid in visual collaboration. Increased access to electrical outlets and improved wireless Internet access have drastically improved library utilization and accessibility. However, the most important improvement the Purdue Libraries’ administrators have made concern décor. The outdated textures, colors and layout were replaced with functional designs and furniture. Such details as the furniture and feel of the space were recognized by administrators as being key to creating an active learning space.
My Purdue education was greatly enhanced because of the resources provided by the Purdue Libraries. Student input during my tenure, coupled with a dedicated administration, has created a driving force for constant improvement. The Purdue Libraries’ dedication to providing a holistic, tailored study experience for students evidences how deserving the institution is of the ACRL Excellence in Academic Libraries Award.

Sincerely,

Kyle Pendergast

Kyle Pendergast
To the Award Committee,

I write in support of the Purdue Libraries’ nomination for the ACRL Excellence in Academic Libraries Award. I served for two years on the University Library Committee, including one as chair, have been a frequent faculty user of library resources for research and teaching, and am now interim Dean of the Krannert School of Management. These roles have provided me with the occasion to see the excellent work of our libraries close up, and to develop a keen appreciation for their central role in furthering the academic mission of Purdue University.

When I served on and led the University Library Committee, we focused on data access and information literacy. These are no doubt important issues for all university libraries but I was particularly impressed with the commitment to systematically incorporate faculty from across Purdue University in decision making. A strong connection between the disciplinary and library faculties allows for a deeper understanding of data resources needed and the specific information literacy challenges that arise in particular academic contexts. At the time, Purdue was undergoing severe budget cuts due to the recession, but planning enabled by this close connection enabled the libraries to make sensible choices in their cuts with minimal impact on core academic missions. Library faculty have been extraordinary advocates for information literacy as a core learning outcome throughout the curriculum.

As a faculty member, I have been a heavy user of the library data facilities and staff. In Management and Economics we make extensive use of secondary datasets. Purdue maintains a tremendous portfolio of datasets, and more importantly, expertly curated information about them. This is not simply a matter of understanding standard datasets but facilitating the curation of newly created or transformed datasets through the Purdue University Research Repository. In the past these data might live (or die) on the individual hard drives of faculty. Through the repository they become an ongoing resource for the entire research community.

As interim Dean, my appreciation of the Purdue Libraries has only deepened. The new Roland Parrish library is a marvel – a physical space that is somehow both technologically cutting edge and old-school comfortable. The design allows individual study but also collaborative group settings and interactive class-level work. It changes what teaching faculty can do, and challenges them to think differently about what is possible. My understanding is that the libraries are studying how the space is being used with a plan to allow ongoing adaptation to meet user needs.
In addition, a number of our disciplinary faculty make great use of “embedded librarians” as fundamental contributors to course work. These are not one-shot workshops, but ongoing collaborations that extend and enhance what we can do in the classroom. One of our greatest cross-disciplinary success stories has been our entrepreneurship and experiential learning initiatives. These initiatives combine the STEM expertise at Purdue with management students who help scientists commercialize their innovations. Critical to this success has been market research enabled by library databases and facilitated by the embedded libraries faculty.

The Purdue libraries have been tremendous innovators and proactive facilitators of our academic mission. We look forward to their continued partnership in furthering the discovery, learning, and engagement mission of the Krannert School and Purdue University.

Sincerely,

David Hammes
Interim Dean and Professor of Economics
Krannert School of Management
Purdue University
Dr. Paul Bracke, Associate Dean for Research and Assessment requested that I submit a letter supporting the nomination of Purdue University Libraries for the ACRL Excellence in Academic Libraries Award. I am delighted to do so. My understanding is that this award is to recognize the accomplishments of librarians and other library staff as they come together as members of a team to support the mission of their institution. As a plant physiologist/ecologist working in the Department of Agronomy at Purdue, I have interacted with Libraries faculty and staff for nearly a decade, primarily on issues related to data. These interactions have led to an array of innovations that impact all three mission areas (Research/Teaching/Extension) at Purdue; a Land Grant University. Let me explain what I mean for each of these mission areas by providing a few specific examples.

Research mission: Opportunities abound to advance the science and sustainable practice of agriculture through better use of the wealth of data collected by researchers, state and federal agency monitoring programs, public-private partnerships and farmer collaboratives. To date, however, the potential of these opportunities is largely unrealized reflecting a host of barriers that restrict data reuse for purposes beyond the intent for which it was originally collected. Purdue Libraries have provided critical leadership in the development of good data practices for researchers at Purdue including workflows, data standards, vocabularies, data archiving and provenance. They were instrumental in the creation of the Purdue University Research Repository (PURR, https://purr.purdue.edu/) that provides an online, collaborative working space and data-sharing platform to support the data management needs of Purdue researchers and their collaborators. Purdue Libraries also co-organized a workshop held in Washington DC in 2013 called “Smarter Agriculture: Dialogue on Critical Data for Agriculture”. Outputs from this workshop included a summative statement of prioritized needs and opportunities related to data literacy in agriculture to be shared with national (e.g., USDA) and university leadership. Purdue Libraries has partnered with our three flagship profession scientific societies (American Society of Agronomy, Crop Science Society of America, and the Soil Science Society of America) to advance research data issues at the national/international scale; the 2015 annual meeting of these societies will dedicate a full day to “data literacy”. Purdue Libraries will have a significant role in developing the program for this meeting. Locally Purdue Libraries have been great partners on large, multi-million dollar research proposals where data management plans are critical to project success.

Educational mission: Purdue libraries have worked closely with graduate students in order to understand data habits of emerging researchers and develop tools, courses, and curricula to improve data management practice. The results of these investigations have been published in peer-reviewed journals in order to broadly share strategies that can enhance student data literacy.
These findings have recently been formalized into a new graduate-level course focused on data management that will be taught annually at Purdue. This course supplements other short course-type efforts and one-on-one instruction on data literacy by Purdue Libraries that has been in place for years. The success of Purdue Libraries data education effort has been noticed by leadership in our professional societies, and plans are in the works to have Purdue Libraries lead several workshops on data literacy at the 2015 annual meetings of our professional societies.

Extension/outreach mission: “Big data” are being discussed in every industry, and agriculture is no exception. In our DC Workshop mentioned above outreach programming in data literacy was identified as a high priority need to prepare the agricultural community to participate in and benefit from a data-rich environment where open access research data may be combined with industry and/or on-farm data for improved decision making. Workshop participants identified a host of new quantitative, analytical and data management skills that they expected to be foundational for tomorrow’s farmer and farm manager, certified crop advisor, county agent, Extension specialist, agricultural policy maker, and corporate employee. Purdue Libraries is working with faculty in our department and the College of Agriculture at Purdue to develop a nationwide framework for systematic review of applied research with meta-analysis and a supporting infrastructure of data repositories and workflow tools. Such a framework is currently used for data synthesis and is the standard for evidence-based intervention in medicine (e.g., Cochrane Collaborative; https://www.cochrane.org/). Though early in its development, Purdue Libraries will have a key role in data standards, workflows, and repository development. Adapting this framework to agriculture management and policy will allow data to be accessed and reused by all and recommendations or policy guidelines and their underlying data to be transparent and easily updatable with new research results.

Much of what Purdue University has accomplished in data literacy/management would not have been possible without the expertise and leadership of our Libraries faculty. I strongly urge the committee to recognize Purdue Libraries for their unique contributions to all three mission areas of Purdue University; contributions that extend far beyond the Purdue campus to the very core of the science and education programming underpinning US/global agriculture. Feel free to contact me (jvolenec@purdue.edu; 765-494-8071) if there are questions regarding the thoughts shared in this reference letter.

Sincerely,

J.J. Volenec
Professor
December 4, 2014

Association of College and Research Libraries
50 East Huron Street
Chicago, IL 60611

Subject: Nomination of Purdue Libraries for ACRL Excellence in Academic Libraries Award

It gives me great pleasure to write this letter in support of the Purdue Libraries.

My first collaboration with the Purdue Libraries was while I served as Associate Head of Civil Engineering and managed the Civil Engineering graduate program. In 2008 we launched an effort with the graduate school to convert the paper thesis deposit to an electronic process. During this dialog, the Purdue Libraries emerged as a strong leader on developing a sustainable process that resulted in not only rapid implementation of the electronic deposit, but also leveraged that data so departments and faculty could harvest information from their database to display on various department and faculty web pages.

In 2010, I became the director of the Joint Transportation Research Program, a partnership between the Indiana Department of Transportation (INDOT) and Purdue University that has produced over 1500 technical reports in the past 77 years. INDOT invests approximately $6M/year in research at Purdue. The product of that research is typically a technical report. At that point we had no name authority on our reports and very weak technical report production process. Furthermore, we maintained a huge library of primed technical reports that were poorly organized (Figure 1) that we would distribute upon request. The cost and storage requirements were not sustainable.

I immediately sought advice from the Purdue Libraries. Over a period of approximately 12 months they digitized all of the old printed technical reports, established an electronic repository using digital commons, and developed a formal editorial process for review and production of new technical reports. This not only made them freely available worldwide, but also allowed us to outsource production of printed material to a print on demand service, and even place our more popular titles on Amazon (Figure 2).

Subsequent to this initial collaboration, we strengthened our partnership with the Purdue Libraries and now fund a 0.5FTE position to manage our editorial process. That person is embedded with the Purdue Library staff in an adjacent building on campus.

The impact of this electronic migration has been nothing short of amazing. We anticipate our 1,000,000th download to occur on or around December 5, 2014. Figures 3a,b,c illustrate the distribution of downloads across city, state, and countries. This has been an incredibly valuable tool for communicating to our sponsors the impact their funded research is having. Just this past fall, both Ohio DOT and Illinois DOT asked to visit our campus and learn about the unique partnership the Purdue Libraries had developed with us and sought to initiate similar partnerships with their respective university partners.
In the past, we had often archived project data and media in CD sleeves in printed technical reports. Our most recent frontier of collaboration with the Purdue Libraries has been the integration of the Purdue University Research Repository (PURR) into our editorial process for publishing archival data and media. Figure 4 shows a screen capture of the page we used to archive some aerial photography drone footage of a diverging diamond interchange with detector and phase information we developed in collaboration with the Utah Department of Transportation. This innovative visualization technique has received outstanding reviews from both academics and practitioners due to the ability to easily visualize the concepts described in the corresponding technical papers and reports.

In summary, I believe the Purdue Library is at the forefront of re-inventing campus libraries. I do not believe there is another library more deserving of this award.

Should you have any questions, please contact me at the phone number below.

Sincerely,

Darcy Bullock, P.E.
Professor of Civil Engineering and
Joint Transportation Research Program Director
550 Stadium Mall Drive
West Lafayette, IN 47907
765 494 2226
765/479-0316 (Mobile)
darcy@purdue.edu