

2009 Community Report

IUPUI

SOLUTION CENTER

INDIANA UNIVERSITY–PURDUE UNIVERSITY
INDIANAPOLIS

A Division of the Office of the Vice Chancellor for Research



CREATIVITY

CREATIVITY

A new approach to solving problems & innovating

Dillinger! Forging a Hoosier Legend: In 2009 the Solution Center partnered with several organizations, [Indiana State Archives](#) and the Friends of the Indiana State Archives, [The Exhibit House](#) (a for-profit, exhibit fabrication firm), the [Indiana State Library](#), and the IUPUI Solution Center, Matthew Groshek, faculty member in Herron School of Art and Design and the School of Liberal Arts, was able to create an opportunity for a student-designed, exhibit titled [Dillinger! Forging a Hoosier Legend](#). Funding was an obvious obstacle in the process, but through collaboration, Groshek was able to locate financial support from his partners to cover fabrication and installation costs, printing fees, and event costs for the exhibit opening. In addition, Exhibit House donated supplies, materials, fabrication tools, and fabrication assistance to the student team. The IUPUI Solution Center provided funding, matched by the Indiana State Library, for student stipends. Vicki Casteel and Mark Vopelak, Archivist and Manuscript Librarian for the Dillinger Gang Collections at the Archives, agreed to oversee the content of the exhibit, and Jeff Scalf, great nephew of Dillinger himself, agreed to provide some artifacts and guidance.

Six seniors in a Visual Communications, spring course (Isaac Arthur, Lindsay Craig, Robert Cooper, Cody Fague, Michael Miller, and Jenny Streif) developed a virtual exhibit plan that showcased John Dillinger's artifacts. *The Dillinger! Forging a Hoosier Legend* exhibit opened July 10, 2009, and traffic increased over 30% at the Indiana State Library.

As a result of their work on the Dillinger exhibit, Cody Fague and Isaac Arthur established their own design consultancy firm, [CODO Design](#), located in the Indiana Humanities Council headquarters in Indianapolis. In reflecting back on his work on the Dillinger project, Cody said, "We were excited about the potential for our role in the Indianapolis community, particularly in the nonprofit sector—we decided that this is what we wanted to do with our lives."

Since then, CODO Design has worked with several businesses and nonprofits, including Tomlinson Tap Room, Indiana Artisans, Indianapolis Early Music, Novel Conversations, the Original Farmers' Market, Pogue's Run Grocer, IUPUI Summer Day Camp, and Catalyst Exchange. CODO employs "[hands-on branding](#)," a creative process of defining the brand of an organization through visual brainstorming with employees and organizations' board members.



Student designed Dillinger Exhibit featured at the Indiana State Library

A Division of the Office of the Vice Chancellor for Research



www.iupui.edu/~solctr

2009 Community Report

IUPUI

SOLUTION CENTER

INDIANA UNIVERSITY-PURDUE UNIVERSITY
INDIANAPOLIS

A Division of the Office of the Vice Chancellor for Research



INNOVATIVE
INITIATIVES

INNOVATIVE INITIATIVES

Transforming ideas into products & practices

Law Students Making a Difference in Housing: Community Development Law Center (CDLC) was formed in 1992 as an Indiana Nonprofit corporation established to empower low-income people by providing high quality pro bono legal and technical services to new and existing Indiana nonprofit community organizations that serve low-income neighborhoods.

In 2009, Solution Center provided a \$20,000 match grant to the Community Development Law Center (CDLC) to support six Robert H. McKinney School of Law students, Megan Alvarez, Dana Arent, Marina Grgic, Kelly Huang, John Lim, and Amanda Whipple in Non-profit Externships. The students assisted practicing attorneys with all aspects of helping nonprofits from a legal perspective, including assisting with nonprofit startups. Students helped with such issues as drafting articles of incorporation, creating bylaws, and filing IRS forms, such as form 1023 to obtain tax exempt 501(c)(3) status, an essential step in helping groups secure funds from donors.

Following this opportunity, the CDLC was able to hire Amanda Whipple as a research intern. Amanda's research allowed the CDLC to protect and advise clients by providing thorough analysis of their loans and counseling on financially-based legal issues. According to Sheila Jenkins, Executive Director of CDLC, "This project provided a student with a paid internship and a way to blend her financial and banking experience with new legal skills. The intern assisted clients with financially-based legal issues, a very valuable skill for any new attorney."



Robert H. McKinney School of Law
students with program leaders and
CDLC mentors



PROBLEM SOLVING

Addressing community needs with knowledge & research

A compound problem: Improving training for bomb-sniffing dogs: John Goodpaster, assistant professor in the **Forensic and Investigative Science (FIS)** program at the **IUPUI School of Science**, received federal funding of \$473,000 to assist the FIS program with components to more effectively research the characteristics of explosive vapor and odor compounds and to improve the training of dogs that detect such explosives.



K-9s training is enhanced through research

In addition to funding the purchase of new equipment, the funds granted supported a graduate student researcher to help facilitate the program. Graduate student Erica Lotspeich was hired as the graduate intern to oversee the work of two undergraduates within the program. The student team was also supported by a Venture Fund grant of \$5,000.

Professor Goodpaster said, “We know that canines can detect even the smallest amount of explosives. What we want to learn more about is how they are able to detect compounds so that we can train them to be more effective at finding explosives.”

Lotspeich, who based her master’s thesis on the project, explained in her abstract that “the factors that govern the amount of explosive vapor that is present in [an explosive] system are often uncertain.” Such factors are odor availability, and the complexity of the odor generated by the explosive. Findings from this study are expected to provide increased awareness about explosive odors, which in turn will improve the training of canines.

2009 Community Report

IUPUI

SOLUTION CENTER

INDIANA UNIVERSITY-PURDUE UNIVERSITY
INDIANAPOLIS

A Division of the Office of the Vice Chancellor for Research



CAPACITY
BUILDING

Performance management and citizen engagement initiatives: In September 2009, three SPEA (School of Public and Environmental Affairs) students became involved in an assistantship with the Indianapolis Mayor's Office, working on performance management and citizen engagement initiatives. Throughout their internship, Cora Griffin (SPEA-IUPUI), Scott Williams (SPEA-IUPUI), and Alise Cool (Journalism), worked on further developing a program to improve how the city of Indianapolis delivers its service to the community. This past April, the interns presented their research findings at IUPUI's 2010 Research Day. The internship was funded, in part, by the IUPUI Solution Center.

Dr. Alfred Tat-Kei Ho, principal investigator for the students' program and Associate Professor with SPEA-IUPUI, was pleased by the success of the internship "I am proud of the interns' accomplishments in this project. This really showcases IUPUI as an engaged campus. The opportunities to work with the City of Indianapolis, other state and local government agencies, nonprofit organizations, and community groups in the Indianapolis area provide many real-life experiential learning opportunities for our students outside their classroom."



Interns worked on further developing a program to improve how the city of Indianapolis delivers its service to the community

CAPACITY BUILDING

Developing partnerships for improved practices
effective governance, and financial stability

Multi-disciplinary collaboration promotes the Power of a Question: Y-PRESS is a diverse, youth-driven organization that develops leadership, civic engagement, and critical thinking through journalism in a variety of media, provides a forum for local and global youths' perspectives, and provides youth an opportunity to take an active role in journalism.



Y-Press' young journalists collaborate with IUPUI students during *Power of a Question*

In the fall of 2009, with the help of a \$1,000 match grant from the Solution Center, ten IUPUI students from the IU School of Informatics, IU School of Journalism, and IU School of Education took part in the Y-PRESS Power of a Question project. These students created an educational and multimedia tool to train young people to write, and then pose, meaningful questions. Through this experiential learning opportunity the students cultivated mentoring relationships with Y-Press' young journalists.

The partnership with Y-Press led to another interesting opportunity for an IUPUI student. Ashleigh Finley, from the IU School of Informatics developed Subject Matters: An Online Content Tool. This interactive online tool available on Y-Press's website and GenPRX, a public radio exchange, reflects the process that Y-Press' youth journalists take when developing a radio piece. Even before Subject Matters: An Online Content Tool was completed, other youth-media organizations asked Y-Press to include them in the distribution list.

2009 Community Report

IUPUI

SOLUTION CENTER

INDIANA UNIVERSITY-PURDUE UNIVERSITY
INDIANAPOLIS

A Division of the Office of the Vice Chancellor for Research



RELATIONSHIPS

Community-Based Research Class Produces Book on Neighborhood History: How many college students can complete class project knowing they helped to develop neighborhood leaders, create a vision for a community, and engage businesses and other partners in telling the story of one of Indianapolis's longstanding neighborhoods? Students enrolled in Professor Susan B. Hyatt's spring 2009 community-based research class, Field Work in Ethnography, can. Thanks to the Solution Center and other partners, they can also point to a publication to prove it. Hyatt, who is an Associate Professor of Anthropology in the [School of Liberal Arts at IUPUI](#), enabled her students to collaborate with the Community Heights Neighborhood Organization to document the spirit of Indianapolis's Eastside in a book that covered the early history of the community into the present.



Walter E. Justus, President of
Justus Homes Inc.

The student researchers interviewed over 40 neighborhood residents; collected and scanned old photos and other memorabilia from local residents, and pored over archives to research the history of the Community Heights neighborhood. "The project was the celebration of a community with an interesting past and a vibrant future, but it is also recognition of the value of community-university partnerships and of the ability of undergraduate students to do excellent field research when given the opportunity," said Hyatt.

Eastside Story: Portrait of a Neighborhood on the Suburban Frontier was published in October 2009 by the Neighborhood Alliance Press. Grants to support the 1,000 printing were provided by [The Great Indy Neighborhoods Initiative's](#) IMAGINE program, administered by the [Indianapolis Neighborhood Resource Center](#), The Justus Companies, Inc., and the IUPUI Solution Center Community Venture Fund.

RELATIONSHIPS

Building reciprocity between IUPUI & Indiana

Enriching Children's Lives: [AYS](#) is a nonprofit child and youth services agency with a mission to enrich the learning and well-being of children in a safe, caring, and fun environment outside of the school day. AYS began with the vision of three concerned mothers who realized that working families often could not be with their children during the critical out-of-school hours. In 1980, AYS was born out of a partnership with IPS School #70 that launched Indianapolis first after-school program located within a school building.

In the fall of 2009, the Solution Center provided a \$618 match grant to support three IUPUI interns, Megan Eads from the [IU School of Nursing](#), Melinda Jarnecke from the [Purdue School of Science](#), and Bridget Price from the [IU School of Social Work](#), to develop and promote special needs student engagement and health promotion in after school programs.

The students reviewed the American Disability Act as it pertains to childcare, literature on inclusion of children with special needs, as well as AYS Policy and Procedures Guide to identify and initiate accommodations or modifications that would allow children with special needs to fully engage in the afterschool environment. The students also researched trends in obesity and created curriculum for the afterschool environment.



Bridget Price, IU School of Social Work

2009 Community Report

IUPUI

SOLUTION CENTER

INDIANA UNIVERSITY-PURDUE UNIVERSITY
INDIANAPOLIS

A Division of the Office of the Vice Chancellor for Research



**INTERNSHIP
& RESEARCH**

The Solution Center ICommunity Internship & Research Project Fund

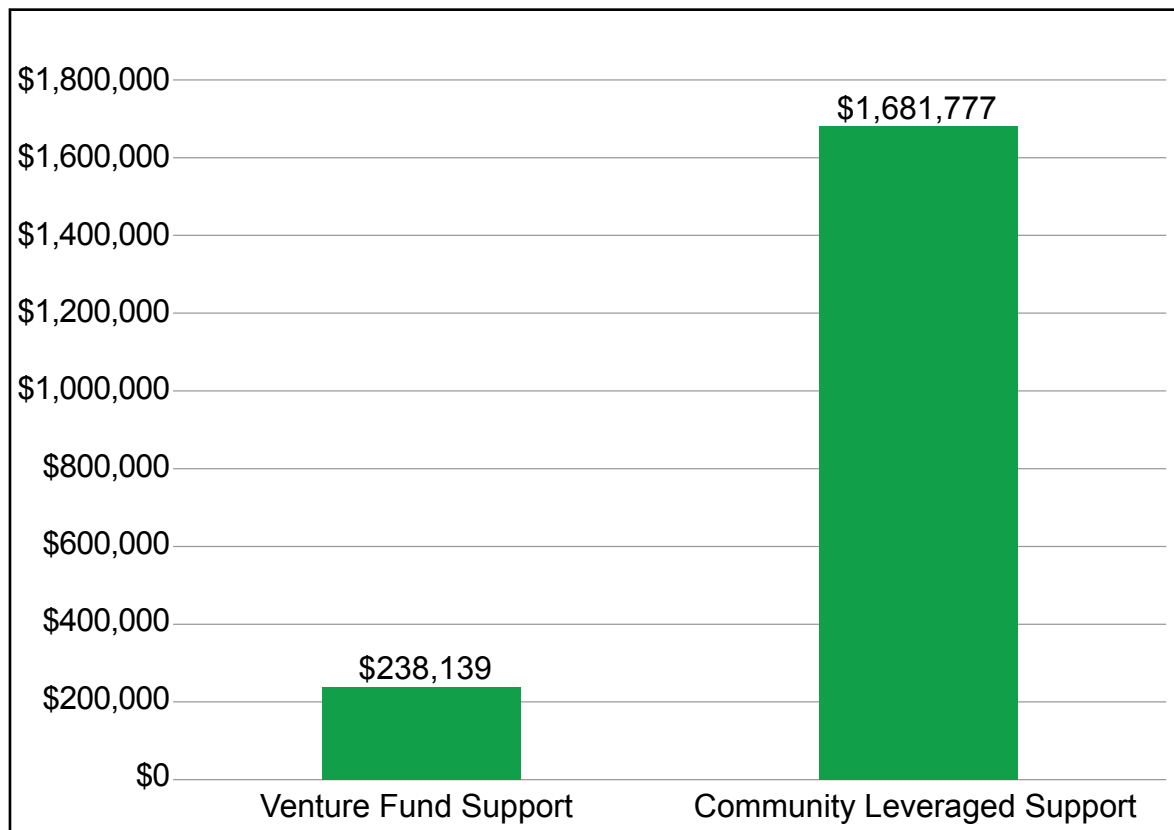
Sustaining impactful community engagement: Gifts to the Solution Center Internship & Research Project Fund will be used to support internships, community-based research, and projects that have benefited hundreds of IUPUI students, faculty, and community organizations since the Solution Center was established in 2004.

The IUPUI Solution Center Internship & Research Project fund builds on the significant investments made by the Lilly Endowment and Indiana University through their support for the IUPUI Solution Center and the successful model of the IUPUI Community Venture Fund. The Solution Center Internship & Research Project Fund will provide small matching grants to business, nonprofit, and government partners to seed and expand paid internships, conduct community-based research, or engage in career building work assignments. Eligible projects positively affect the partner organizations and have potential to strengthen the community overall.

Use the [**GIVE NOW**](#) button, to make your contribution today.

2009 Community Report BY THE NUMBERS

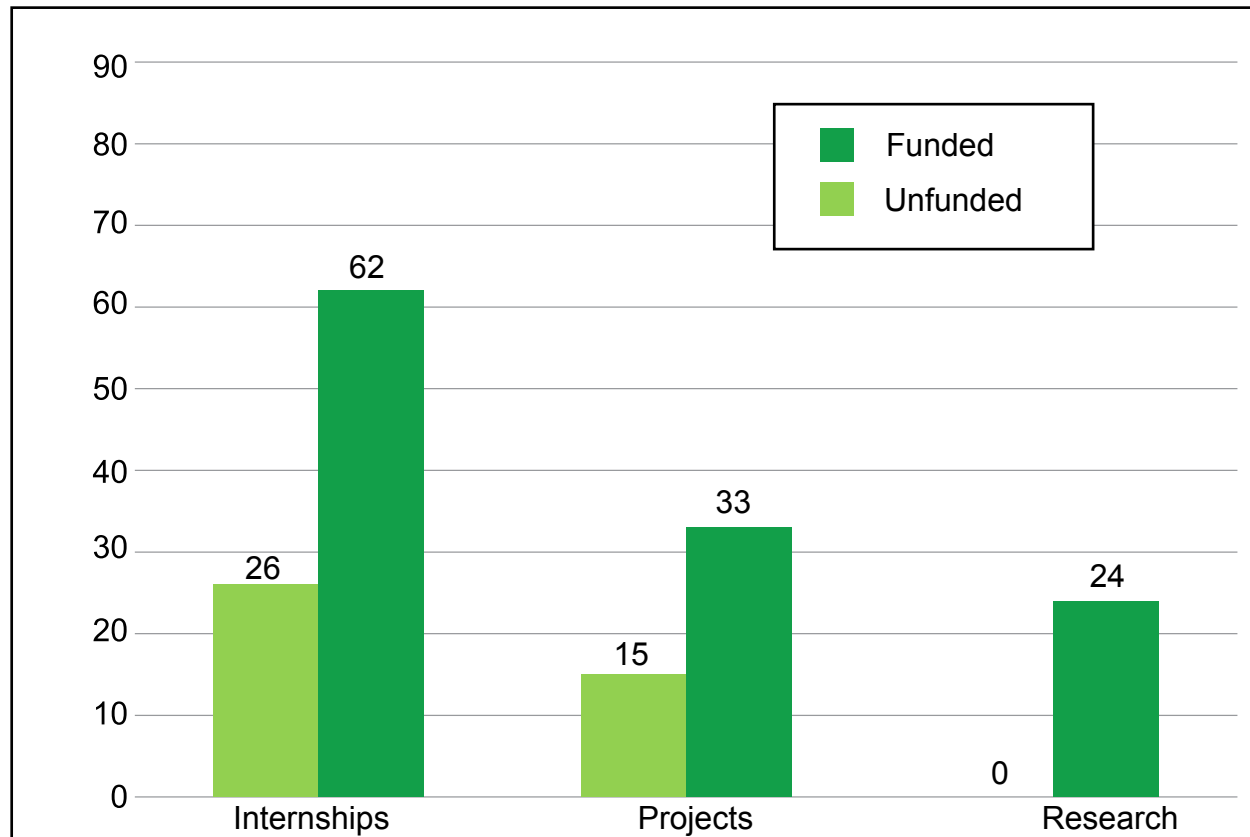
Funds Supporting Community Based Engagement



View Graph:

2009 Community Report BY THE NUMBERS

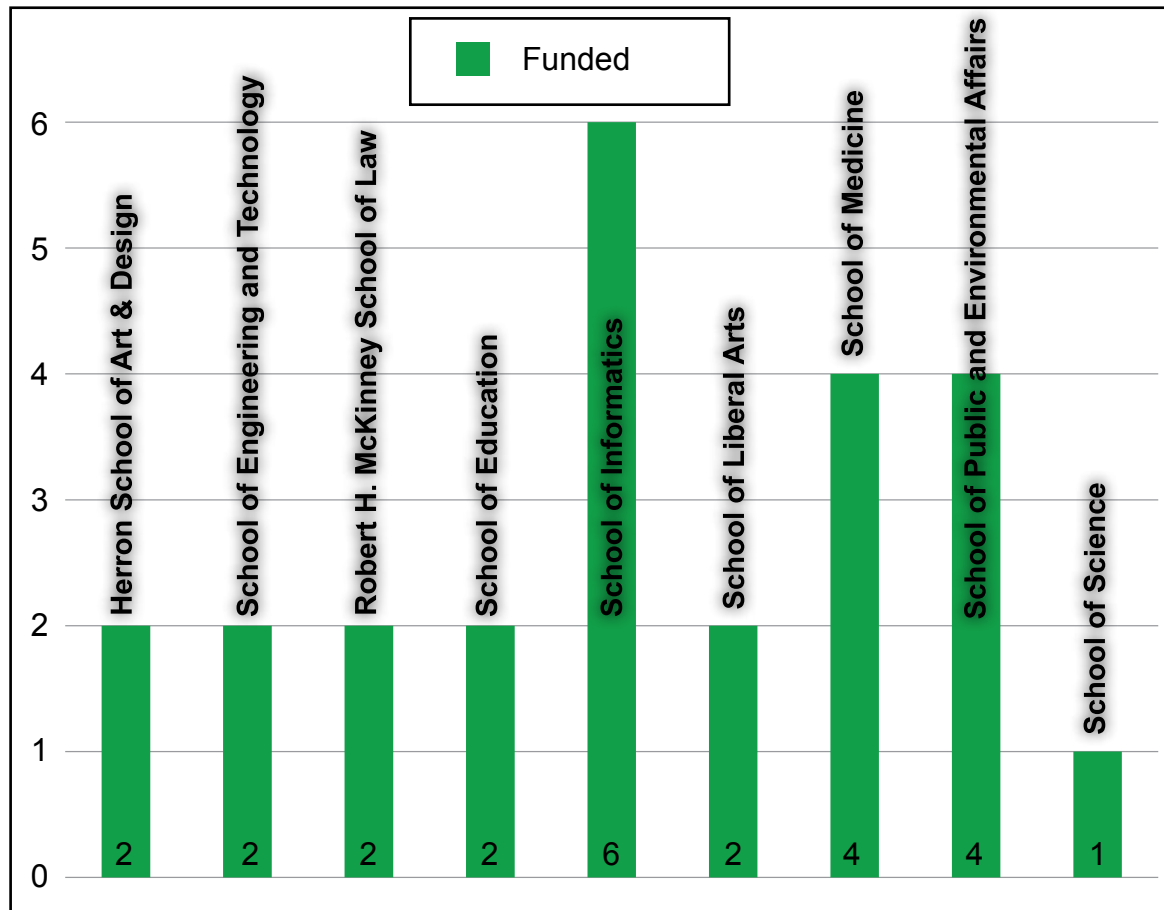
Number of Community Based Engagements by Engagement Type and Funding Level



View Graph:

2009 Community Report BY THE NUMBERS

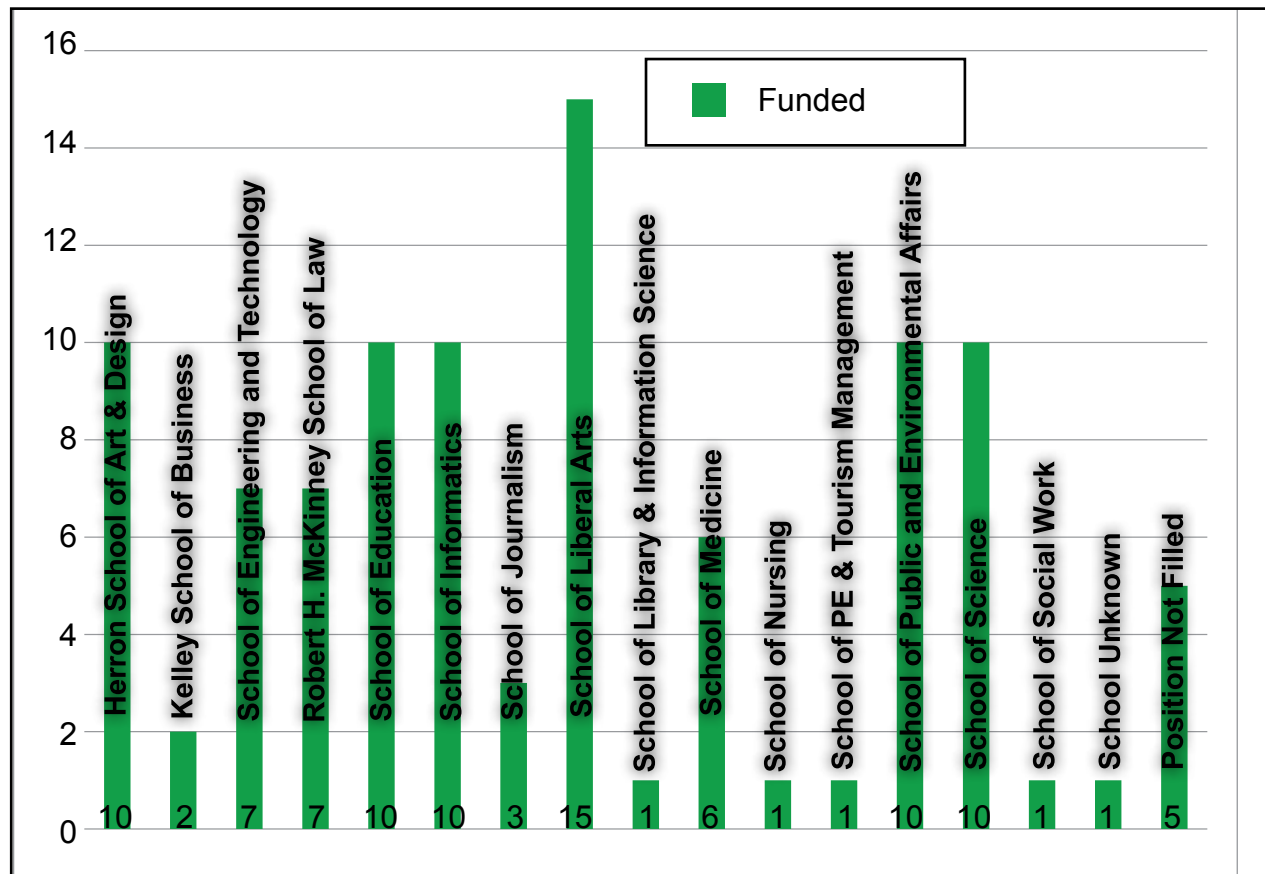
Faculty Engagements by School



View Graph:

2009 Community Report BY THE NUMBERS

Student Engagements by School



View Graph:

2009 Community Report COMMUNITY PARTNERS

Venture Fund Partners

Accent on Business
Africana Studies Public Scholars Conference
At Your School Service (AYS)
Athenaeum Foundation
Autism Society of American, Indiana Chapter
Cell Therapy Foundation
Children's Museum of Indianapolis
Y-PRESS
City of Indianapolis - Constiuent Services
City of Indianapolis - Office of Sustainability
College Mentors for Kids
Community Development Law Center (CDLC)
East West Blends
Fat Atom
Handi-Capable Hands
Indiana After School Network
Indiana Center for Vascular Biology and Medicine
Indiana Nanotech
Indiana Poison Center
Indiana State Archives/Dillinger Project
Indiana State Museum

Indianapolis Public Broadcasting Stations
International Center of Indianapolis
ITEX in Indiana
IUPUI Herron School of Art and Design/Energy
Conference
Jesubi
Kappa Delta Pi
Local Initiative Support Corporation (LISC)
Logical Semantics
Marion County Commission on Youth (MCCOY)
Marion Superior Courts/Public Advocates in
Community Re-entry/School of Public and
Environmental Affairs, Indianapolis
Medical Informatics Visualization Assistant
Mobi Wireless
Neighborhood Heights Community Organization
Rock for Riley
Sander's Group
School of Public and Environmental Affairs, IUPUI
TJC Innovation
TV Web City

ADVISORY BOARD

Steve Beck

Managing Director
Geneva Capital Group

David Becker

President
First Internet Bank of Indiana

William Bloomquist

Dean
IU School of Liberal Arts

Dwight Burlingame

Associate Executive Director
Center on Philanthropy

Rebecca Carl

Director of Operations, Planning, and
Communication
Office of the Vice President for
Engagement, IU

Phil Cochran

Dean/Associate Dean
Kelley School of Business

Roberto Curci

Associate Professor of Finance
Butler University

Anthony Faiola

Executive Associate Dean
School of Informatics

David Gard

Executive Director
Office of the Vice President for
Engagement, IU

James Gladden

Dean
IU School of Physical Education &
Tourism Management

Barb Hayes

Director of Strategic Planning and
Research Initiatives
School of Informatics

David McSwane

Dean
School of Public & Environmental
Affairs, IUPUI

Khaula Murtadha

Associate Vice Chancellor for Lifelong
Learning
IUPUI Community Learning Network

Bart Ng

Dean
School of Science

Michael Patchner

Dean
School of Social Work

Anne-Marie Predovich-Taylor

Executive Director
Indianapolis Neighborhood
Resource Center

Joe Slash

President and Chief Executive
Officer
Urban League

Uday Sukhatme

Executive Vice Chancellor
IUPUI

Kody Varahramyan

Chair
IUPUI Vice Chancellor for Research

Amy Warner

Vice Chancellor for External Affairs
IUPUI Vice Chancellor for External
Affairs

Oner Yurtseven

Dean
School of Engineering and
Technology

Tamara Zahn

President
Indianapolis Downtown, Inc.

STAFF



IUPUI Solution Center, 719 Indiana Avenue, Suite 130

Teresa Bennett

Director

Charlette Bowling

Administrative Support Assistant

Mary Dickerson

Business Coordinator

Scott Feeny

Career Fair Coordinator

Richard Gordon

Program Manager

Tara Hobson

Communications Intern

Krista Hoffmann-Longtin

Associate Director

Sarah Zike

Assistant Director