

Technology Development with a Spirit of Collaboration:

Pervasive Technology Institute

PTI at Indiana University is a world-class organization dedicated to the development and delivery of innovative information technology to advance research, education, industry and society. Supported by a \$15 million grant from the Lilly Endowment, Inc., PTI is built upon a spirit of collaboration and brings together researchers and technologists from a range of disciplines and organizations, including the former Pervasive Technology Labs, the School of Informatics and Computing, the School of Law and University Information Technology Services at Indiana University.

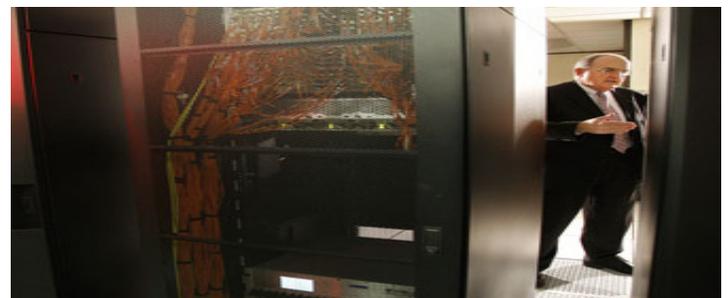
PTI creates new ways to analyze and understand massive amounts of digital data; and performs new policy and computer science research to ensure that computer

systems and networks can be used with appropriate privacy while protecting national security interests.

Creating the Pervasive Technology Institute is the logical next step to securing our position of leadership in the information technology field and will serve as a catalyst to our efforts to expand all of our research enterprises within the university and state. It will build on nearly a decade of outstanding applied research work in information technology and on IU's highly advanced IT infrastructure, much of it initially funded by the Lilly Endowment. We are deeply grateful to the Lilly Endowment for this grant -- and for its extraordinary continuing support of so many aspects of the research and education mission at Indiana University.

- Indiana University President, Michael McRobbie

PTI is housed in the IU Bloomington Innovation Center, a 40,000-square-foot facility designed to accommodate life science and information technology start-ups. The new facility is located on university property at the intersection of 10th Street and the Ind. 45/46 Bypass. The Pervasive Technology Institute is one of the first tenants of the Incubator, which opened in August 2009.



Michael McRobbie, President of Indiana University



INDIANA UNIVERSITY

PERVASIVE TECHNOLOGY INSTITUTE

Digital Science Center

DSC creates intuitively usable cyberinfrastructure with tremendous capabilities for supporting collaboration and computation.

DSC:

- **Creates tools for accessing advanced cyberinfrastructure via the web**



Geoffrey C. Fox, Director of Digital Science Center

- **Develops software tools that allow the world's largest supercomputers to work efficiently.**
- **Designs tools and interfaces that enable researchers to work with each other across distances through advanced cyberinfrastructure.**
- **Provides advanced computing resources**

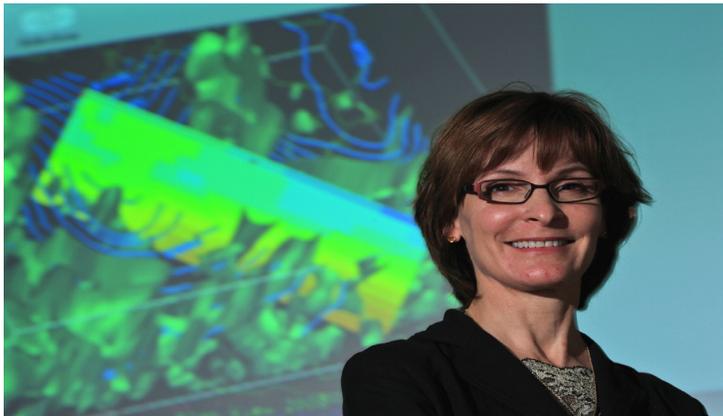
for academic research and Indiana's private sector.

Data to Insight Center

D2I creates new tools to understand and gain insight from the vast quantities of data now produced in digital form.

D2I:

- **Creates tools and guidelines for archiving large scale and complex data information.**
- **Develops tools for listing and discovering data sets.**
- **Provides tools to help scientists use and understand massive data sets.**



Beth Plale, director of the Data to Insight Center and the Center for Data and Search Informatics for Pervasive Technology Institute

Center for Applied Cybersecurity Research

CACR leads the creation of IT security policy, security monitoring tools and secure applications in critical areas of cyberinfrastructure, including personalized health.

CSCR:

- **Helps to coordinate and integrate the research, teaching and practice of more than 70 cybersecurity professionals at Indiana University.**
- **Makes recommendations for U.S. national IT security policy and serves to advise local and national officials on matters related to cybersecurity.**
- **Employs an interdisciplinary approach, being the only cybersecurity program in the nation to include informatics, law and business schools in order to integrate both theory and practice.**
- **Examines the efficiency, cost and impact of cybersecurity on individuals, the public, the economy and other values and objectives.**



Fred Cate, Professor of Law at the Indiana University School of Law and director of the Center for Applied Cybersecurity Research.

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