Mission

"Informatics" is the study and application of information technology to the arts, sciences, and professions, as well as the use of information technology in organizations and society at large.

The mission of the school is to empower the economic development of the state by providing graduates with the knowledge and skills to effectively and creatively use information technology and digital technologies in our rapidly changing society. The goal of the school is to offer interrelated degrees that complement existing academic programs and to expand opportunities for careers involving information technology.

Goals and Objectives

1. The School of Informatics will have a community of degree-seeking students who are committed to achieving their academic goals.

   a. To recruit students from central Indiana and beyond.

   Campus Planning Theme: Campus Climate for Diversity

Secondary Goals:

Sub Unit: None

Time Frame: Ongoing.

Actions taken for 2005-2006:

Continued the marketing and development of the degrees offered at the undergraduate level in informatics, new media, and health information administration. Continued the marketing of graduate degrees offered in health informatics, human-computer interaction, chemical informatics, laboratory informatics and new media. The Informatics doctoral program in bioinformatics and health informatics began fall of 2005.

In fall of 2005, there were two exchange students who attended the New Media undergraduate program from Bremen University, Germany: [http://informatics.ipnu.edu/news/story.php?id=314](http://informatics.ipnu.edu/news/story.php?id=314)

Undergraduate Student Recruitment Activity Included:

- Hosted 25 student and five faculty members from North; Wayne Elementary School;
- Hosted 15 middle school children and five faculty members from Orchard School
- Booth at Butler University’s annual graduate and professional school recruitment fair.
- Wikibook at the Indiana International Science and Engineering (IISEF) fair.
• Hosted a Boy Scout troop of 12.
• Hosted New Covenant Church Media Camp on two separate occasions in the summer.
• Presented "Painting with Electrons" to participants of IUPUI Staff Council at their annual retreat.
• The director of the Chemical Informatics graduate program made presentations regarding the program to the Chemistry and Computer Science clubs in the spring of 2006.
• Booth at PittCON 2006 ("The Pittsburgh Conference") in Orlando, Florida. The SOI office of community relations produced a commercial highlighting the Laboratory Informatics graduate program which looped on a high-definition video display in the booth. Nearly 10,000 attendees were exposed to the SOI programs in a venue of nearly 3,500 vendors and exhibitors. Over 150 electronic “leads” were generated as a result.

Health Information Administration Undergraduate Recruitment and Marketing Activities:

• Submitted an article for the High School Link Magazine Fall 2006 edition.
• The HIA Connection student club participated in Health Career Fair during the fall semester at IUB.
• Participated in Health Career Fair at Henry County Memorial Hospital.
• Participated in IU Day at the Indiana State Fair.
• Participated in Explore IUPUC.
• Participated in IUPUI Career Exploration Day.
• Hosted a reception for IU Health Information Administration alumni at the American Health Information Management Association’s National Convention in San Diego, CA. The reception was an opportunity to meet with alumni from around the U.S., make them aware of changes to the program, and inform them of opportunities for their involvement with the School of Informatics.
• Presented to Informatics 1101 Class regarding the HIA program.
• Hosted UCOL 110, Discovering Today’s Healthcare Culture, IUPUI Thematic Learning Community for a session on the HIA Program. Met with Office Team to coordinate student job placement.

Graduate Program Recruiting Booths

Chicago 11, Indiana State, DePauw University, Rose Hulman Institute of Technology, Ball State, Valparaiso, IUSB, IUSE, Washington University, St. Louis University, Southern Illinois University, University of Evansville and Wabash.

Undergraduate New Media and Informatics Recruiting Efforts by SOI Advisors:

• IUPUC Career Exploration Day.
• Tours discussed plans of study for referrals from the Indianapolis Urban League (Soon to Make a Difference participants) to about 25 minority teen girls and their parents from the Indianapolis Urban League.
• Several prospective student tours and recruitment booths in IT lobby.
• Jag Days tour and discussion with prospective students.
• IUPUC recruitment presentation.
• UCOL recruitment table.
• Partnered with External Affairs at IUPUI per Amy Conrad Warner request to meet with student.
• Sent recruitment letters to UCOL exploratory students 900 + students.
• Career Center Partnership - hosted 35 IPS Technology Services students and faculty.
• Making IT Happen booth sponsored by UITS.
• Hosted 120 students from the Key Learning Community Schools
• State of New Media, high school student liaison. 2 high school
• Campus Day, 1,300 + high school students.
• JagDays, 2 high school students.
Evidence of Progress for 2005-2006:

Graduate Programs Enrollment:

- The Health Informatics graduate program which began in fall of 2001 is one of the largest graduate programs in the SOI, with 39 master’s degree students and nine doctoral students. The doctoral program began in fall of 2005. This fall of 2006, seven new master’s degree students and five new doctoral students enrolled. Seven master’s degree students are working on thesis research and are expected to graduate this academic year.
- The Bioinformatics Graduate program continues to grow since it began in the fall of 2001. There are currently 20 master’s degree students and five doctoral students. The doctoral program began in the fall of 2005. Seven master’s degree students are working on their thesis and expected to graduate this academic year. This fall of 2006, five new master’s degree students and two new doctoral students enrolled.
- The Human-Computer Interaction Graduate program began in the fall of 2003. It currently has 29 master’s degree students. Ten students are actively working on their thesis, six are expected to graduate this academic year and three more are expected to enter the program spring of 2007. Seven new master’s degree students enrolled this fall of 2006.

Enrollment Update for New Media Program 2005-06:
There are 389 undergraduate students and 36 graduate students in the Media Arts & Science program (New Media program). The enrollments for Fall 2006 were: Undergraduate = 294 and Graduate = 32.
In December of 2005, 23 undergraduate students and five graduate students received degrees. In May of 2006, 41 undergraduate students and 16 graduate students received degrees. Seven undergraduate and two graduate student received degrees during the summer of 2006.

Declared Majors
Undergraduate Students
Fall 2005:

- AS Media Arts & Technology - 19
- BS Media Arts & Science - 425
- BS Informatics - 100
- BS Health Information Administration - 68

Spring 2006:

- AS Media Arts & Technology - 23
- BS Media Arts & Science - 398
- BS Informatics - 101
- BS Health Information Administration - 75

Activities planned for 2006-2007:

- For fall of 2006, there are three exchange students attending the New Media undergraduate program from Bremen University, Germany and two students attending from the National Chengchi University, Taiwan. Two exchange students from the National Chengchi University from Taiwan are expected to attend the New Media undergraduate program in the spring of 2007.
New Media undergraduate program in the spring of 2007:

- A presentation on chemical informatics in industry is planned for November 3, 2006 to inform the academic community of chemical informatics and its uses in both academic and industrial research and discovery. Industry leaders in chemical informatics research, Thompson Doman from Eli Lilly and Neil Kirby from Dow Agro Sciences will discuss their research and the skills practicing chemical informaticians need.
- Various staffing of booths for undergraduate and graduate programs will continue, especially in Indiana.
- To better serve students, the undergraduate and graduate programs will be consolidated in one department under the SOI student services in fall of 2006 rather than being separate on two different floors in the IT building.
- Permissions/course authorizations required for the graduate program courses will cease beginning spring of 2007 except for independent study and thesis courses. This should encourage other graduate students from other programs to take our school’s courses as electives and graduate non-degree-seeking students to register for graduate Informatics and New Media courses.
- Starting in fall of 2006, the bioinformatics program at IUPUI and Bloomington has a new program director. Dr. Keith Dunker will assume this responsibility in addition to his role as the director of the Center for Computational Biology and Bioinformatics at IUPUI.
- SOI will have a booth at the State Fair with a John-E-Box set up to show "Painting with Electrons" with a pair of 10 foot 3D glasses on top of the booth. Staff, faculty and the dean will wear T-shirts that say "IU is Red Hot" with the IUB informatics website address on the back of the t-shirts.
- Faculty retreat scheduled for August 17-18, 2006 at the NCAA Center and Hall of Champions. This will be a full day retreat and the other half day will be for faculty to work in teams to develop collaborative strategies for student recruitment, motivation and retention.

Undergraduate New Media and Informatics Recruiting Efforts Planned by SOI Advisor:

- Continue Prospective Student Tours, sign up is on website: [http://informatics.iupui.edu/contact/tours.php](http://informatics.iupui.edu/contact/tours.php)
- 1st Generation Scholar’s UCOL Exploratory Student Orientation
- 21st Century Scholar’s Day - Sept. 9th, 600 high school prospective students.
- Step On to Campus 1200 Prospective high school juniors and seniors on campus during ISTEP week to explore IUPUI and the individual degrees. Career Exploration Day October 4th Partner with IUPUI Career Center 20 total students - UCOL Exploratory.
- JagDays;
  - Campus Day, Partner with Enrollment Center - 1,300 high school students.
  - UCOL Recruitment Table on Nov 29th.
  - Exploratory student recruitment in IT lobby
  - IVY Tech recruitment event;

☐ b. To motivate students to persist in achieving their academic goals.

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:**

**Time Frame:**

Actions taken for 2005-2006:

One of the foundations upon which the Informatics Alumni Association (IAA) was founded is the commitment to help current students and recent graduates prepare for IT-related careers. Conversations are underway among the board members to establish a mentoring program matching successful alumni with students seeking academic and/or career development information. The IAA is governed by a board with representatives from the Bloomington and Indianapolis campuses. The board’s first actions included establishment of alumni governance, certification by the IU Alumni.
Hosted a reception for IU’s HIA alumni at the American Health Information Management Association’s National Convention in San Diego, CA. The reception was an opportunity to meet with alumni from around the US, make them aware of changes to the program them and inform them of opportunities for their involvement with the SOI.

Clint Koch, SOI faculty is working with Dan Baldwin (Computer Graphics Technology program faculty at IUPUI) on the ACM Siggraph Club for students. There are 50 members of the group. They will be attending the Siggraph Conference in August of 2006 in Boston, MA. There are also several other events and activities this student club offers and professor Koch recruited New Media students to join the student club.

The SOI formed the Informatics League of Excellence. The purpose of the League is to honor and further develop junior and senior Informatics students who maintain a cumulative grade point average of 3.5 or above. The members are carefully selected on the basis of scholarship, character, leadership, and service. The League of Excellence provides leadership opportunities, forums for the exchange of ideas and the stimulation of interest in continuing academic excellence. An induction ceremony was held in the spring for those students meeting the admissions requirement for the 2005-2006 school year.

Guest Lecturer and Seminars for New Media Students

The first of a planned series of "real life" seminars was held at the SOI. State of New Media brought together Informatics students, faculty and staff with working professionals from Creative Street Media Group, an Indianapolis-based multimedia firm. Kicking off the seminar was a keynote address by Indiana Secretary of Commerce Patricia Miller. Miller, an IU graduate and successful entrepreneur, offered encouraging words about the importance of educating tech-savvy workers for Indiana’s economy. Speakers from Webize, the Indianapolis Children’s Museum and Creative Street Media addressed the audience of over 80 students.

Interface Symposium 2006: Celebrating digital storytelling, multimedia, communication and computer artistry brought 10 new media professionals to the SOI on June 2-3, 2006. There were 134 students that pre-registered for the conference. The program was free and open to the public. The first day of the symposium featured individual industry presentations and a concluding panel discussion providing students with the opportunity to learn from the insights and experiences of professionals who work daily with new media technologies in the creative enterprise. The second day of the program was devoted to portfolio reviews that provided students with one-on-one interaction with special guests.

Guest Lecturers and Seminars for Informatics and New Media Students:

Ruth G. West, artist and scientist, presented "Science: What’s Art Got to Do With IT?" and addressed a large gathering of students and faculty about her collaborative digital art and science project entitled, Ecce Homology. Using these two seemingly unrelated disciplines, West explored how artistic practice and aesthetic experience can nurture scientific discovery.

Guest Lectures for the Health Informatics Administration Undergraduate Students:

- INFO 1101, Introduction to Informatics at the SOI
- RADI R408, Topics in Nuclear Medicine Management, IU Nuclear Medicine Technology Program
- PATH C412, Topics in Clinical Laboratory Science, IU Clinical Laboratory Sciences Program
- RADI R445, Nuclear Medicine Practicum, IU Nuclear Medicine Technology Program
Evidence of Progress for 2005-2006:

Student Awards:

- Chris Podell and Zachary Shields, recent graduates of the SOI Media Arts & Science undergraduate program, traveled to New York City on June 12, 2005, for the 10th Annual Webby Awards presented by the International Academy of Digital Arts & Sciences. They received the Webby Award (http://www.webbyawards.com/), an international Web design competition, as the creators of the website "Not Seen Not Heard" (http://www.notseennothear.com/) which was an online story about the remote islands of Indonesia still awaiting disaster relief more than a year after the December 2004 tsunami. More than 700 people were on hand to accept Webbys, an international contest honoring excellence in Web design, creativity, usability and functionality. This year’s contest had 5,500 entries from 40 countries, competing in 69 categories. http://informatics.iupui.edu/news/story.php?id=423
- SOI’s HIA undergraduate student Timothy Balko was an outstanding student athlete for men’s swimming and received an award in March 2006.

Successful Achievements of Alumni:

Alumni Achievements for the HIA Program:

- Carol Lewis received the IUPUI Spirit of Philanthropy Award
- Vickie Rogers was named a Fellow of the American Health Information Management Association
- Natalie Novak was elected to the office of President-elect of IHIMA
- Michelle Kistner was elected to the office of President of the Oregon Health Information Management Association

Alumni Achievements for the New Media Program:

- Media Arts and Science Graduate Leslie Wiser started a very successful company named Webize. Her company is located in Indianapolis and employs several Media Arts and Science Graduate students full-time. They are: Cindy Lory, Tara Young, and Tristan Schmidt.
- Harlon Wilson, received his M.S. Media Arts & Science degree. Since his graduation, he is a founding partner of Medical Animatics, Inc. where he currently serves as its president & C.E.O. He received a Solution Center Venture Fund in December of 2005 and funded three New Media student internships.

Activities planned for 2006-2007:

- VisionFest 2007 is scheduled for August 16-19, 2007. VisionFest is a juried student competition and conference created for students to share work in animation, new media and sequential art, and to receive feedback from peers and professionals. The festival includes panel discussions, opportunities to network with industry and fellow visionaries, and screenings of the top 100 entrees or the Visionary 100.
- Continue to track alumni activities. Many alumni success stories are published in the SOI alumni magazines that are published in the spring and fall.
- Faculty retreat scheduled for August 17-18, 2006 at the NCAA Center and Hall of Champions. This will be a full day retreat and the other half day will be for faculty to work in teams to develop collaborative strategies for student recruitment, motivation and retention.
c. To retain students throughout all degree programs.

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:** None

**Time Frame:** Ongoing.

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Actions taken for 2005-2006:

SOI encourages students to meet with their academic advisors to go over each student’s plan of study every semester.

Student Services assists walk-in students on a daily basis to help them with various questions and needs.

Several online courses have been developed to better serve students’ work schedules.

**Curriculum Development: Health Information Administration Program:**

- All HIA classes were developed for distance education. These courses will be offered in the fall of 2006.
- Conducted surveys with employers and recent graduates of the HIA program to evaluate the effectiveness of the program.
- HIA program participated in a Virtual Lab project for AHIMA.

**Curriculum Development for the New Media Program:**

Joe Defazio, the interim associate director of the New Media program continues to hold meetings with New Media faculty to discuss curriculum issues, course descriptions and course revisions. The meetings allow faculty to address any issues of concern that may arise to improve the program for our students.

Dean Hook and professor Defazio collaborated with Computer Science and the CIT department for a possible undergraduate degree in security informatics in the future.

Dean Hook collaborated with the School of Physical Education for a new undergraduate cognate and courses in sports informatics for the B.S Informatics degree. A new Sports Science cognate was developed:

http://informatics.iupui.edu/academics/cognates/HPER-SCI.php and a new Sports Studies cognate was developed:

http://informatics.iupui.edu/academics/cognates/HPER-STUD.php

News posting:


**Online Course Development for the New Media Program:**

Faculty members John Brian Ludwick and Jennifer Stewart are working on the first New Media online course. This course will be offered during the Summer I of the 2007 semester.

**Online Course Development for Informatics Undergraduate and Graduate Programs:**

Dean Hook developed and taught five online courses in 2005. Two Health Informatics graduate students commute from Evansville so online classes have helped in their hospital work schedules. Classes are being video conferenced/polycam from Bloomington for the master and doctoral students so they do not have to commute to Bloomington to take courses, but can register for those courses at IUPUI and then SOI faculty monitor those courses here on campus. Plan to continue and add more graduate courses video conferenced from IUB.
Evidence of Progress for 2005-2006:

New cognates have been developed with other schools for the B.S. Informatics degree:
http://informatics.iupui.edu/academics/cognates/

The attached graph of faculty instructional evaluations shows that students rank our faculty members highly in their instruction. Danita Forgey, director of the HIA undergraduate program, was in "Who's Who Among American Teachers, 2006.'

Evidence of retention is the chart below of SOI students that graduated.

New cognates have been developed with other schools for the B.S. Informatics degree:
http://informatics.iupui.edu/academics/cognates/

Evidence of retention is the chart below of SOI students that graduated.

Graduates

December 2005:

- AS Media Arts & Technology - 0
- BS Media Arts & Science - 23
- BS Informatics - 4
- BS Health Information Administration - 0
- MS Bioinformatics - 5
- MS Chemical Informatics - 2
- MS Human Computer Interaction - 1
- MS Media Arts & Science - 5

May 2006:

- AS Media Arts & Technology - 2
- BS Media Arts & Science - 33
- BS Informatics - 9
- BS Health Information Administration - 0
- MS Bioinformatics - 2
- MS Laboratory Informatics - 1
- MS Health Informatics - 1
- MS Media Arts & Science - 16

June 2006:

- AS Media Arts & Technology - 1
- BS Media Arts & Science - 2
- BS Informatics - 1
- BS Health Information Administration - 8
- Medical Coding Certificate - 2
- MS Laboratory Informatics - 1
- MS Media Arts & Science - 1

August 2006:
Activities planned for 2006-2007:

- Continue special speaker seminars.
- Continue revision of curriculum to meet students’ needs.
- A new Graduate Program Review committee has been formed to address curriculum and program issues in Media Arts and Science. The Committee expects to have a report finalized sometime during the beginning of 2007 for submission and faculty review.
- Program directors and other SOI faculty will meet to revise Informatics graduate core courses 1501 and 1502. Faculty will review all course materials (syllabi, course projects, weekly lecture content, course projects, and many other items). The goal is to improve the content of these two courses that all science graduate students take when they first begin in the graduate programs.
- The first Human-Computer Interaction graduate course will be offered online in spring of 2007.
- Poll student interest for a possible track in Science for the New Media undergraduate program (similar to the project of Albert William’s “Painting with Electrons” that combines biology and animation).
- Faculty retreat scheduled in August of 2006 at the NCAA Center and Hall of Champions. This will be a full day retreat and the other half day will be for faculty to work in teams to develop collaborative strategies for student recruitment, motivation and retention.

☐ d. To provide excellent internship/capstone project opportunities.

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing.

Actions taken for 2005-2006:

eCampusRecruiter (EASE) was established, providing an online recruiting source for employers and students to make connections on for internships and full-time positions. The SOI career services office proactively visited numerous Informatics and New Media classes to explain the new recruiting system.

In 2005 there were 41 credit internships. Since November 2005 (when the recruiting system was established) to June 31, 2006 we have had 156 internship and full-time positions posted with 260 student applications to these positions. All hiring is self reported by the student base so the % or number of positions filled through the recruiting system is not available at this time. It is too early in the branding of SOI career services with the student and employer base to provide these kinds of numbers at this time.

The Health Informatics Graduate program is continuing to build collaborations with local businesses and industry partners. Graduate students have completed internships or course projects in a number of organizations, including Alverno Information Services, Community Health Network, Logical Semantics, the Haelan Group, Roudeshell VA
SOI office of community relations worked with UITS to create training videos for UITS and to create instructional videos for undergraduate Informatics classes and for use by the Informatics Career Services Office.

Beth Haggenjos represented the SOI by holding the role of Indiana State Director for the Midwest Cooperative Education Internship Association. She co-chaired the 2005 Midwest Cooperative Education Internship Association held in Indianapolis, IN. The conference had 156 attendees from across the Midwest US. Beth picked up the membership chair role for the Midwest Cooperative Education Internship Association along with the Indiana State Director position. She began reorganizing the Indiana state chapter under the Midwest Cooperative Education Internship Association which will assume the name Indiana Council for Internships and Cooperative Education. Founder’s board was established and first Indiana conference was planned (as a new organization).

Beth visited numerous Informatics and New Media classes to brand the new recruiting system, internships and the office. She conducted many internship site visits and company visits to build employer relationships, counseled students in one-on-one appointments for career planning and advising, and mentored other internship program directors across campus as the campus continues to decentralize career service efforts. NEWM N199 and NEWM N299 (career planning courses) were taught for the first time and included interaction with employers through panel discussions, mock interviewing, and job shadowing.

Evidence of Progress for 2005-2006:

Employers continue to contact the SOI with internship opportunities, and students are successfully placed in internships. As stated above, internships have increased and student placement rates in job positions have increased. We have 100% student placement for 2005 and 2006 graduates of the Health Information Administration program.

Activities planned for 2006-2007:

Brian Benedict was hired a career services specialist. He joined the SOI career services office in Indianapolis on August 7, 2006. Brian co-teaches the undergraduate career planning courses, N199 Directed Study I and N299 Directed Study II. In addition to his teaching responsibilities, he counsels students in career planning, recruits employers to campus, promotes internship opportunities through classroom branding and the EASE recruiting system, and networks with other schools across campus to increase the amount of internship opportunities available for students.

Created and began planning the first career fair for the SOI called “Meet the Recruiter” which will take place in the fall of 2006. The event includes two sessions: Informatics “Meet the Recruiter” (am session) and New Media “Meet the Recruiter” (pm session).

The SOI career services office started writing the very first Career Guide for the SOI which will be printed in fall of 2006.

2. The School of Informatics will have a faculty of the highest quality representing the core disciplines in its diverse degree programs.

a. To market Informatics as a prestigious school providing great opportunity for faculty to develop rewarding academic careers.

Campus Planning Theme: Best Practices

Secondary Goals:
Sub Unit: None
Time Frame: Ongoing.

Actions taken for 2005-2006:

- Dean visited the Indianapolis Star Editorial Board. The SOI office of community relations arranged for a visit to the Indianapolis Star Editorial Board for the informatics deans from both campuses. This was a rare opportunity to meet with the editorial leadership of Indiana’s most important media outlet. The purpose of this visit was to briefly share the significant accomplishments of the school and to answer questions that editorial board members had about our school. These include casual gatherings in small board rooms attended by editorial writers and sometimes the paper’s managing editor or publisher.
- Staff visited and toured the studios of WTHR-Channel 13 and WISH-TV Channel 8 to learn more about their day-to-day operations and discuss collaboration with the SOI.
- Staff visited and toured the studios of WRTV-Channel 6 to learn more about their day-to-day operations and discuss collaboration with the SOI.
- SOI office of community relations arranged for the SOI dean to meet with the editorial board at the Indiana Business Journal to discuss the School of Informatics and to create collaborative opportunities between the IBJ and Informatics faculty, staff and students.
- Continued to develop the SOI website as a marketing tool and point-of-inquiry for prospective faculty. On-line application tool for prospective faculty.

Informatics Website Improvements:

In late Fall 2005, our webmaster revised and re-launched the entire informatics.iupui.edu website. While not a noticeably visual change, this project represented a near total architectural overhaul of markup, code base, and data back-end. During spring of 2006, the webmaster launched a totally new website for the Media Arts and Science program (newmedia.iupui.edu). This site represented a collaborative effort between a handful of selectively-picked students in the school and the webmaster. The new site is a “brochure” piece designed to capture the interest of a particular audience segment (prospective students), and to alter some of the language we have previously used in student recruitment efforts.

Evidence of Progress for 2005-2006:

Website improvements have been made to improve the listing of our degree programs for prospective students and it lists courses for current students each semester.

Faculty are being interviewed recently more by news reporters:

- Hosted a booth at Tech Summit 8 at the Indianapolis Convention Center. Attendees viewed several stereoscopic presentations by SOI faculty Albert William that resulted in an interview and story which aired on WTHR-Channel 13 on November 1, 2005: [http://www.wthr.com/Global/Story.asp? s=4058098](http://www.wthr.com/Global/Story.asp?s=4058098)
- SOI faculty Albert William featured in the IU Research and Creative Activity magazine spring of 2006: [http://www.indiana.edu/%7Ercapub/v28n2/cell.shtml](http://www.indiana.edu/%7Ercapub/v28n2/cell.shtml)
Activities planned for 2006-2007:

- Continue to improve SOI websites as a source of information of news of what the SOI faculty are doing in research, projects and in the community to attract new students and faculty.
- Continue meetings with the news media to give them information on interesting projects that the SOI faculty are involved in.
- To hire excellent faculty in areas of demand within growing academic programs.

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit:  
Time Frame: Ongoing.

Actions taken for 2005-2006:

Announcements of tenure/tenure track faculty openings were placed in the Chronicle of Higher Education and SOI websites. Search and Screen committees were established for the following positions:

- Bioinformatics senior faculty
- A tenure-track for Human-Computer Interaction
- Two tenure-track professors for the New Media Program

New faculty that were hired this year to accommodate the school's growth:

- A tenure-track position advertised for Human-Computer Interaction in April of 2005 was filled by Dr. Karl MacDorman who began November 1, 2005. Karl F. MacDorman received a B.A. in computer science from the University of California, Berkeley in 1988. He received a Ph.D. in machine learning and robotics from Cambridge University in 1996. He was an associate professor at Osaka University, Japan (2003-2005). Previously, he was assistant professor in the Department of Systems and Human Science at the same institution (1997-2000), and supervisor (1991-1997) and research fellow (1997-1998) at Cambridge University. He has also worked as a software engineer at Sun Microsystems and as chief technology officer for two venture companies. He has published 40 papers in HCI, robotics, machine learning, and cognitive science.

Six research positions were advertised in the Indianapolis Star in November 2005. All six positions were filled:

- Robert (Skip) Comer has a M.S. media arts and science from the SOI and a B.S. in art education from Vanderbilt University. Skip advanced from visiting research associate to research associate on January 1, 2006.
- Albert William has a M.S. in media arts and science from SOI and a B.S. from Bowling Green State University, Bowling Green, Ohio. He advanced from a visiting research associate to a research associate on January 1, 2006.
- Jolene Kerrick has a M.S. media arts & science from SOI and a B.A. in telecommunications from Pennsylvania State University. She advanced from a visiting research associate to a research associate on January 1, 2006.
• Xiaoqiu Bao has a M.S. in computer and information science from Long Island University at Brooklyn, New York and a B.S. in civil engineering from Nanjing Institute of Architectural Engineering, China. She advanced from a visiting research associate to research associate on January 1, 2006.

• Silpa Wairapranij has a M.S. electrical and computer engineering at IUPUI and a bachelor in engineering in electrical engineering from Kasetsart University, Bangkok, Thailand. Silpa advanced from a staff position of academic laboratory technician to research associate on February 1, 2006.

• Mohamed Hamdouchi has a M.S. media arts and science from SOI and a B.S. in computer science, IN SUP (Higher Institute for Computer Studies) - Casablanca, Morocco. Mohamed advanced from visiting research associate to research associate on January 1, 2006. Mohammed left SOI for outside employment on June 30, 2006.

Mary Pietrowicz has a BSEE from Purdue University and a MCS from Florida Atlantic University. She was hired on January 1, 2006 as a part-time visiting research associate. Mary has worked on two projects with the Informatics Research Institute at SOI. The RFID-based physical object interface for teaching nutrition to children at the RLHEC. To use this system, teachers and children place food models on a cafeteria tray and the system automatically determines which foods were selected and analyzes the nutrient content of the food selections. Mary also developed the location tracking for ArtExplore, a location-aware, interactive museum guide. ArtExplore is deployed in the American Galleries at the Indianapolis Museum of Art.

Tim Steffens has a M.S. in media arts and science from SOI and a B.S. in biomedical photographic communications from Rochester Institute of Technology. He joined the faculty of SOI on May 15, 2006 as a visiting research associate. Previously, Tim was the director of ophthalmic bioinformatics and imaging at the IU SOM. He brings to the department his experience in scientific 3D imaging, animation, diagnostics and research to support the faculty and school in their teaching and research projects.

Evidence of Progress for 2005-2006:

The SOI continues to attract tenure-track faculty from Indiana and abroad as noted above.

Activities planned for 2006-2007:

Future plans to hire new faculty for:

• Health Informatics graduate program director (replace 25% joint position).
• New Media program, one tenure-track faculty.
• Joint Informatics/Regenstrief/VA tenure track faculty.
• Health Informatics graduate program, one tenure track faculty.

New SOI Administrators hired after July 1, 2006:

• Mathew J. Palakal was appointed associate dean for graduate studies and research. Palakal, a professor of informatics and of computer and information science, assumed his new position July 1, 2006. He also will continue to head the Informatics Research Institute. Palakal replaces Douglas G. Perry, who became the dean of the newly established College of Informatics at Northern Kentucky University, Highland Heights, Ky. In his new duties as associate dean, Palakal will oversee the informatics graduate programs and research activities at the school’s IUPUI campus. Among those programs are bioinformatics, chemical informatics, laboratory informatics, human-computer interaction design, media arts and science, and the recently launched doctoral degree program in
informatics.

- Keith Dunker, professor of biochemistry and of molecular biology, has been appointed director of the School of Informatics’ Bioinformatics Program at the Bloomington and IUPUI campuses. He also will continue as director of the center for computational biology and bioinformatics at the SOM. Dunker, who was recruited to IU in 2003 from Washington State University, focuses his research in the relationship between the lack of protein folding and function. Dunker replaces Gary Wiggins, adjunct professor, who was serving as interim director of the Bioinformatics Program at IUB. Wiggins will continue leading the School’s Chemical Informatics Program. Assistant professor Sun Kim retains his position as associate director of the Bioinformatics Program at Bloomington. Malika Mahou, assistant professor, will serve as interim associate director of bioinformatics at IUPUI.

New SOI Faculty at IUPUI hired after July 1, 2006:

A search and screen committee was organized and an advertisement went out in February of 2006 to identify two Ph.D. professors for media arts & science. Two positions were offered and one candidate, Dr. Richard Edwards accepted.

1. Richard L. Edwards, tenure-track assistant professor, will begin August 1, 2006. He received his Ph.D. in critical studies from USC’s School of Cinema-Television. From 2002-2004, he was a Postdoctoral Fellow at USC’s Annenberg Center for Communication’s Institute for Multimedia Literacy. He has taught at USC, Loyola Marymount and Saint Mary’s College of California. He has published numerous articles in journals such as Film International, Spectator, and RES magazine. He has participated in the New Media Consortium’s 21st Century Literacy Project where he contributed to the monograph, "A Global Imperative: The Report of the 21st Century Literacy Summit." Currently, he produces a widely circulating academic pod cast, with Shannon Chute, entitled "Out of the Past: Investigating Film Noir."

A joint search and screen committee was formed with the center for computational biology at IUPUI to identify candidates for a senior bioinformatics faculty position to replace Ariel Fernandez who had accepted an offer at another university. An ad was placed in October of 2005. An offer for the position was made and accepted by Dr. Yaoqi Zhou.

2. Yaoqi Zhou, Ph.D., professor of Informatics, will begin August 1, 2006. Zhou has a Post-doctorate in computational biophysics from Harvard University, Boston, MA, a Post-doctorate in chemical engineering from North Carolina State University, Raleigh, NC (1999-2000), a Ph.D. in chemical physics from the State University of New York, Stony Brook (1990), a B.S. in chemical physics from the University of Science and Technology of China, Anhui, China (1984). Dr. Zhou was a tenure-track assistant professor and tenured Associate Professor at the State University of New York at Buffalo. He brings his extensive research experience in the bioinformatics area of protein folding, structure prediction, and protein-protein and protein-ligand docking.

Dr. Zhou plans to bring five or six post-docs with him to complete his research as follows:

- Chi Zhang, Ph.D., post-doc. Dr. Chi Zhang was graduated with a Ph.D in physics and an M.S. in computer science from the University of Kentucky. Prior to this position, he was a research associate at State University of New York at Buffalo. He is an expert in protein-protein and protein-ligand docking and protein interaction network.
- Bin Xue, Ph.D., post-doc. Xue has a Ph.D. in physics from Nanjing University of China and was a research associate at State University of New York at Buffalo. His expertise includes protein folding dynamics and protein-structure prediction.
- Shide Liang, Ph.D., post-doc. Dr. Liang obtained his Ph.D degree from Beijing University of China and was a research associate at UT Southwestern Medical Center at Dallas and State University of New York at Buffalo. His research involves development of methods for predicting protein-protein interaction.
- Wei Zhang, Ph.D., post-doc. Dr. Wei Zhang was a research associate at the department of physics and astronomy at Ohio University and has a Ph.D in physics from the Institute of Theoretical Physics, Chinese
Academy of Sciences. He is hoping that he can use his background of condensed matter physics and field theory to develop new techniques for protein-structure prediction.

- Yudong Yang, Ph.D., post-doc. Dr. Yang received a Ph.D. in computational biology from the University of Science and Technology of China. His expertise includes protein-structure prediction and structure-based ligand design.

3. Elizabeth Lykins, M.S. media arts & science from SOI, advances from a visiting research associate position to lecturer in the New Media program in July 1, 2006.

4. John Ludwick, has a M.F.A. in sequential art and a B.F.A. in graphic art from the Savannah College of Art and Design. He advances from visiting lecturer to clinical assistant professor on August 1, 2006.

5. Ricardo Laranja advances from visiting lecturer to a lecturer on August 1, 2006. Ricardo has been a visiting lecturer for three years at the SOI. He earned his master’s degree in media arts and science from SOI, an undergraduate degree in applied jazz performance from Aquinas College, and a performance certificate from the Berklee College of Music in Boston.

6. Jennifer Stewart was hired as a part-time online coordinator and visiting academic specialist beginning August 1, 2006. She supports the School’s growing online curriculum by introducing new technologies for lecture capture as well as creating supporting materials to augment student learning. Jennifer draws upon her past experience managing the department of computer and information science at IUPUI’s successful distributed education program. Jennifer is completing her M.S. in media arts & science at SOI.

Note: Shielly Hartanto was hired to replace Mohammed Hamdouchi who left for other outside employment on June 30, 2006.

7. Shielly Hartanto was hired as a research associate on September 1, 2006. Ms. Hartanto received her M.S. degree in computer science (CIS) at IUPUI. While pursuing her master’s studies, she conducted her research work on developing an automated system for personnel performance evaluation and management. Ms. Hartanto has published one major report about this work in CIS and a working system called, "Automated Reporting System" has been released. From 2004 - 2006, Ms. Hartanto had been employed as a visiting research associate at CIS working on bioinformatics projects. She has published one journal paper and several other papers are currently undergoing review. Her practical experience in client-server application design for Intelligent Systems is exceptional.

- To support and retain current and newly hired faculty.

    Campus Planning Theme: Best Practices
    Secondary Goals:
    Sub Unit: None
    Time Frame: Ongoing.

Actions taken for 2005-2006:

- There was a SOI faculty retreat in August of 2005 at the Indiana Historical Society. This was the opportunity to introduce new faculty and provide program updates and discuss SOI issues. There were several guest speaker presentations. James Johnson presented 'Using an Economic Model to Support Academic Planning.' Dr. Larry Garetto presented "The Research Agenda," and Dr. Rebecca Porter discussed "Faculty Governance." Lunch was provided and staff joined for lunch.
- There was a faculty development speaker presentation for the SOI faculty meeting in December of 2005. Dr. Robert Sherfield presented, "Surviving the Tenure Challenge and Living to Tell About it."
- New Media faculty, Durwin Talon, was award winner of the 2005 Glenn W. Irwin, Jr. M.D. Experience Excellence Recognition. The award recognizes extraordinary service to IUPUI, which he has shown through his
service for VisionFest (http://www.visionfest.org/).

- Promoted faculty self-governance through an election of faculty members to office. Faculty formed new committees including undergraduate program committee, graduate program committee, technology and library resources committee, policy committee, budgetary affairs committee, student affairs committee, agenda committee, faculty affairs, promotion/tenure and annual review committee, and nominating committee. Previously these were assigned by administration but now faculty will decide on what committee they wish to serve.
- SOI faculty serve on the SOI search and screen committees so they are involved in the hiring and recruiting of new faculty.
- Faculty are now making the agenda for faculty meetings and the SOI faculty president is leading the faculty meeting instead of administration.
- Engaged the Faculty Policy Committee to revise current SOI bylaws.
- Dean Hook created a faculty governance website so that faculty policies and other information can be easily located. http://www.iupui.edu/%7Efacinfo/associatedean/
- Nice start-up packages are offered to new faculty for travel, research support and technology.
- There is a Statement of Salary Policy that is related to salary increases available to faculty: http://www.iupui.edu/%7Efacinfo/associatedean/allinformatics.html
- Ruth G. West, artist and scientist, presented "Science: What’s Art Got To Do With IT?" and addressed a large gathering of students and faculty about her collaborative digital art and science project entitled, Ecce Homology. Using these two seemingly unrelated disciplines, West explored how artistic practice and aesthetic experience can nurture scientific discovery. SOI’s office of community relations prepared press releases, media advisories and other augment for this special presentation.
- There was a guest speaker presentation by Barry Smith, Ph.D. on “Biomedical Ontologies: The Good, the Bad and the Ugly” for the field of Health Informatics.

Evidence of Progress for 2005-2006:

- Two faculty members have submitted their dossier for tenure; one has submitted for promotion. One joint faculty member has received tenure.
- Several faculty were hired/advanced from visiting appointments.
- Faculty members continue to be actively engaged in teaching and developing sustainable research agendas.
- Fall 2005: Three teaching assistants are supported for the New Media program and seven faculty assistants; five for the New Media program, one for Health Informatics, and one for undergraduate Informatics. Eight research assistants are supported in our graduate programs: five for Bioinformatics, one for HCI, one for Laboratory Informatics, and one for Chemical informatics.
- Spring 2006: Four teaching assistants are supported for the New Media Program and five faculty assistants; three for the New Media program, one for Health Informatics, and one for undergraduate Informatics. Six research assistants are supported in our graduate programs: three for Bioinformatics, one for HCI, one for Laboratory Informatics, and one for Chemical informatics.

Activities planned for 2006-2007:

Continue to promote faculty self-governance.

A new faculty load policy went into effect for the fall of 2006 semester. Tenure-track faculty now have a course load of 2/2, clinical and research associates have a course load of 3/3, and lecturer and visiting lecturers have a course load of 4/4.
A new director of bioinformatics, Keith Dunker, was hired in the fall of 2007. His major goal will be to increase communication and interaction among the bioinformaticists in the School of Informatics, the School of Medicine, the School of Science, and with the School of Informatics in Bloomington. To this end, we are organizing a retreat on February 3, 2007, at Bradford Woods.

Faculty retreat scheduled for August 17-18, 2006 at the NCAA Center and Hall of Champions. This will be a full day retreat and the other half day will be for faculty to work in teams to develop collaborative strategies for student recruitment, motivation and retention.

Program Directors’ retreat scheduled for September 29, 2006 at the Indiana Historical Society.

3. The School of Informatics will have an active and robust research program focused upon human need that builds upon existing strengths of the university, state, and beyond.

a. To institutionalize the Informatics Research Institute as a place of synergy to develop and explore new ideas in Informatics and related fields.

Campus Planning Theme: Research, Scholarship and Creative Activity
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing.

Actions taken for 2005-2006:

For the 05-06 fiscal year, the total number of grant and contract proposals processed through the Informatics Research Institute (IRI) were 44, with a dollar value of $9,804,451. Of those, 14 have been funded so far, with a dollar value of $1,370,552. Among of those submissions and projects in which the IRI assisted:

- The “Health Education for the 21st Century Project,” which is a collaborative effort between the Ruth Lilly Health Education Center, the School of Informatics, the School of Health and Rehabilitative Sciences, and the Polis Center, was funded for a second three-year/53 million grant by the Lilly Foundation. Newly appointed associate dean for graduate studies and research, Mathew Palakal is taking over for Dean Bailey as principle investigator in the continuation of this project. The Informatics Research Institute team develops presentation interfaces, networking resources, and 3-D visualizations for the project. The project is seen by over 90,000 Indiana students each year.
- Associate Dean for Academic Affairs and Undergraduate Studies Sara Hook was awarded an SBC Fellows Examining Innovation grant for her proposal “Managing, Assessing and Extracting Data from Discussion Forum Postings in Online Courses.” Overseas Conference Fund grants were awarded to Associate Dean Hook.
- Associate professor Karl MacDorman and assistant professor Jake Chen. Associate professor Karl MacDorman co-organized a workshop Views of the Uncanny Valley at the 2005 IEEE-RAS International Conference on Humanoid Robots workshop, where he also presented a paper. The workshop explored human perception of human and robot motion from the standpoint of cognitive psychology, cognitive neuroscience, and robot design. MacDorman presented this work at the Science Olympiad in Bloomington.
- Assistant professor Jake Chen was also awarded an International Development Fund grant for his “Human Disease Bibiome Mining” project which he will undertake in collaboration with a colleague, Dr. Xiaoyan Zhu of Beijing’s Tsinghua University. Jake also received a research support funds grant for his proposal for “Data Mining of Protein Interaction Networks for Disease-relevant Proteins.”
- Assistant professor Narayanan Perumal also received one of the highly competitive research support funds grant for his project, “Informatics Approaches to Drug discovery with Microtubule Associated Proteins.”
- With support from the IRI, research associate Albert William expanded upon the relationship begun with Eli Lilly &amp; Co.’s Ruboxistaurin marketing team during the previous year. With assistance from Matt Williamson, Ryan Knorr and newly appointed visiting research associate Tim Steffens. Albert undertook two major stereoscopic
animations of diabetic macular edema for the Ruboxistaurin group. Albert and his team also began a relationship with Lilly Oncology’s Enzastaurin marketing team, completing a stereoscopic animation for them as well. New Media Lecturer and musician, Ricardo Laranja composed and produced music for two of the animations; Albert created music for the third.

- Ricardo Laranja created a marketing “Swinecast” for Dow Elanco to use in promoting its product, Tylan, via podcast. Funding was provided by Dow Elanco and the IUPUI Solution Center.
- The director of the Health Informatics graduate program, Dr. Anna McDaniel was awarded a subcontract on a 21st Century Research and Technology Fund grant to undertake an examination of market niches most in need of Dr. Sonny Kirkley’s Viyant technology.

Evidence of Progress for 2005-2006:

- Faculty members are being awarded several grants.
- Ruth Lilly Health Education Center grant was continued for another three years.
- Bioinformatics faculty recently received a $7 million grant.

Faculty continue to work on ongoing research projects:

- Dr. Josette Jones received grant funding to complete restructuring of the Virginia Henderson International Nursing Library and the Library’s 17 data bases. The library is a project of the International Nursing Honor Society, Sigma Theta Tau located on the IUPUI campus.
- Dr. Gunther Schadow is principal investigator of a federally funded grant to create and test an e-prescribing tool with decision support (checking dosage, contraindications, and drug interactions) that can be easily integrated into a provider’s practices. Although he is 100% grant-funded, he plays an important role in teaching within the Health Informatics doctoral program. Schadow is also an international leader in the Health-Level-7 (HL7) Working Group. He has developed most of the clinical side of the HL7 version 3.0 information model in collaboration with other HL7 members who represent the key companies including laboratory and pathology information systems vendors in the medical information system industry. He received special commendation from the Food and Drug Administration Commissioner for his work in the development of the Structured Product Labeling standard.

Activities planned for 2006-2007:

Jake Chen, assistant professor, SOI and computer science, is the co-principal investigator for a $7 million grant from the National Cancer Institute, studying proteins and their relationship to certain cancers. The PI of the grant, Fred Regnier of Purdue University, built a team of researchers from Purdue, the Medical School, and Bloomington. Chen was responsible for the bioinformatics section, which Regnier said was crucial for the successful funding of the proposal. To develop the bioinformatics plan, Chen pulled together a team involving faculty from Center for Computational Biology in the Medical School, Biostatistics and SOI faculty from Bloomington. The Purdue-IU researchers join groups from Harvard/MIT, New York’s Memorial Sloan-Kettering Cancer Center, Vanderbilt University and University of California/Lawrence Livermore who also received grants in this program. An article was also published in the Indianapolis Star on this project. http://informatics.iupui.edu/news/story.php?id=478

☐ c. To create laboratories and administrative space for the research efforts of faculty and research staff.

Campus Planning Theme: Campus Climate for Diversity

Secondary Goals:
Sub Unit: None
Time Frame: Ongoing.
Actions taken for 2005-2006:

IT 468 is now equipped with laptops and workstations for Ph.D. students to do their research and IT 476 is a lab for bioinformatics graduate students who are research assistants.

A new collaboration was established in February 2006 between the School of Informatics and the Purdue School of Engineering and Technology Cyber Lab. The Cyber Informatics Learning Lab is now housed in the former dean’s suite in the Walker Plaza building, suite 370. The Learning Lab serves as an environment for faculty members of the SOI to collaborate on grants and provides internship opportunities. Cyber Lab developed the Epsilon beta environment http://www.epsilon.com. Members from 180 colleges and institutions are now using Epsilon. These tools can be used to create faculty profiles. Currently, German exchange students from Bremen University in the New Media undergraduate program are using Epsilon as are approximately 80 students in the dean’s N100 undergraduate course.

Hardware purchased for SOI labs:

Purchased 30 computers for use in a Render Farm to support research and student 3D modeling projects; purchased four computer racks and appropriate hardware for a Console Switch (a device to allow multiple computers to share a single monitor, keyboard, and mouse); purchased a life-cycle replacement server for Health Information Administration classroom support; purchased a high-end flatbed scanner for use by New Media students; purchased life-cycle replacement desktop computers for faculty and staff; purchased additional cameras and lighting equipment for the equipment checkout pool; purchased high-definition digital video cameras for use by researchers and a faculty approved list of students; purchased additional computers and hardware for the video editing room to expand it from two workstations to four.

Software purchased for SOI labs:

In preparation for start of classes in fall semesters we upgraded all applications used in the classrooms. These applications include:

- Adobe Creative suite (Photoshop, Illustrator, After Effects, GoLive, InDesign),
- Adobe Production suite (Premiere, Audition, Encore),
- Macromedia suite (Flash, Fireworks, Dream Weaver),
- Microsoft applications (Project, Visio, Office),
- specialized 3D animation applications (3DS Max, Maya),
- miscellaneous audio and video editing applications (Final Cut, DVD Studio Pro, QuickTime Pro, Discreet Combustion, Digital Fusion, Sound Forge, CakeWalk Sonar Producer edition, Sorenson Squeeze),
- applications required for the Informatics classes (SPSS, ArcGIS, SQL),
- applications required for Health Information Administration (Soft-Med, 3M Encoder, Pervasive SQL, Impatica),
- anticipate continuing to upgrade and expand the above listed applications to keep current with industry trends and the needs of our researchers and students.

Evidence of Progress for 2005-2006:

The new computers and software, as well as the new facilities, help us attract and retain students. The new, expanded facilities and expanding programs and research opportunities help us attract and retain faculty.

Activities planned for 2006-2007:
The dean followed up with a meeting October 30, 2006 with the architects office and Ratio Architects about IT 360 being an audio production room and IT 358 as a video production room. We are now in the design phase and hope to have the room finished in time for the new media consortium conference in June 2007. Anticipate needing to complete construction of room IT 360/360A; anticipate needing to install complete audio and video editing suite of hardware in the Audio Production room (room 360/360a) in IT building.

Six post-docs, which are the research team for our new senior bioinformatics faculty, will be houses on the first floor of the Walker Plaza building in fall of 2006.

Technology staff plan to install 26 iMac computers in 265 and 21 iMacs in IT 256 and they will make them dual boot for fall of 2006 http://informatics.iupui.edu/news/story.php?id=455.

Anticipate continuing to upgrade and expand the above listed software applications to keep current with industry trends and the needs of our researchers and students.

4. The School of Informatics will have active and dynamic collaborations with business, education and industry to cultivate mutual opportunities for students

a. To establish a working group of business leaders committed to furthering the goals of Informatics and its contributions to the economy of the state.

Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing.

Actions taken for 2005-2006:

Neal G. Moore was hired as the director of SOI community relations on August 1, 2005. He provides publicity and marketing services for SOI at IUPUI. He was recently selected to serve as the first-ever president of the IU SOI Alumni Association. Mr. Moore is scheduling twice-monthly meetings with community leaders to visit the SOI. IU has joined The Research Channel. The SOI will provide TV stories about our faculty and their research, as well as general information about our school. An early assignment was to attend the Indy Robot Racing Vehicle event, creating video stories about the IU-sponsored vehicle for both the Indianapolis and Bloomington websites as well as the IUPUI campus website.

The SOI office of community relations engages in a variety of outreach strategies, most significantly with a V.I.P. Luncheon series. They target five primary audiences for outreach: business and industry, not-for-profit organizations, government entities, other institutions of higher education and the news media. The V.I.P. Luncheons are held twice monthly and include invitees from the previously mentioned targets. Generally, there are six to ten people for an informal luncheon and building tour. An eclectic mix of guests is the norm “a business CEO might be sitting next to a marketing director who is sitting next to a reporter.” Our purpose is to answer three primary questions: Who we are, what we do and why it is important. Through this and other strategies they are helping our community better understand what informatics is, and the role that our school plays in educating technology workers.

Below are the V.I.P. lunches SOI office of community relations hosted:

- Hosted Bob Levy, creator of “Professor Garfield” and Linda Mielke; C.E.O. of Marion County Public Library.
- Hosted the Weimer Discussion Group, which is essentially a men’s luncheon club that bears the name of Art Weimer, a long ago dean of the School of Business. Members consist of retired executives and active lawyers and are led by William Heller of the Indiana University Foundation.
- Hosted the chapter meeting of the Indiana Chapter of the AMWA including a tour of the ICTC and demo of
stereoscopic medical imaging. More than 5,000 biomedical communicators in the United States, Canada, and 26 other countries belong to AMWA, a professional association for biomedical communicators of all types. The Indiana Chapter of American Medical Writers has about 200 members working in pharmaceuticals, health care, and academic settings; others run free-lance businesses.

- Hosted the executives and producers from WISH-TV 8. They toured the ICTC including UITS laboratories to explore possible collaboration opportunities between the station, the SOI and UITS. The group met with Dean Bailey and SOI faculty and staff. This meeting resulted in numerous broadcasts in which Informatics faculty were interviewed for technology-based segments including a remote live feed from the Ruth Lilly Health Education Center.

- Hosted the president and CEO of Sease, Gerig & Associates. Also, hosted the Department of Public Works on this date who contacted the SOI Office of Community Relations requesting to tour the ICTC in order to learn more about Informatics and our impact on the local economy and types of technology used.

- Hosted Nicholas Taylor and Scott Badger, “E-ineering, Inc.” Representatives from E-ineering attended this VIP luncheon as a result of networking at Tech Summit 8.

- Hosted Mike Yonts of Mike Yonts Films, Michelle Crouch from Issue & Advocates, and Sanford Pederson from the Great Lakes Institute.

- Hosted the CEO and staff from “Marketing Informatics, Inc.” to the ICTC to learn about their company and explore collaborative opportunities with our school. Robert Massie, Schuyler Wareham, Qian Gong, Stacie Rose, Jim Haas and Jim Coryell met with staff and the dean.

- Hosted Jane Harnishfeger, Paulette Gardner and Doug Wray from WorkOne, a local workforce development agency (and Chamber contact) and Renee Sweany from BitWise Solutions, a Techpoint member and local Web and application consulting firm.

- Hosted Lloyd Wright, President & General Manager, WFYI Channel 20, Matthew Carter, VP of Strategic Development, Indianapolis Convention Center, Michael J. Pellegrino, President, Pellegrino & Associates, Katherine Coble, President, Helping Homeless Veterans & Families, Claudia Porretti, Director of Development & Communications, HHVF, Dr. Charles Haenlein, President & CEO, Helping Homeless Veterans & Families, Donna Belding, SOI/UB Advancement Assistant, and Athena Reed, LHP Software.

- Hosted NCAA VIP tour and 3D Demo. The SOI office of community relations invited the NCAA to the ICTC for a tour and to demonstrate stereoscopic imaging for possible use in the NCAA Final Four and other projects. Brad Alderson, managing director of information technology and Tom Jacobs, NCAA director of championships met with dean, staff and faculty to discuss collaboration opportunities.

- Hosted Kirk Stahl, Executive Vice President for MARC USA, Bryan Hadlock, MARC USA, Mark Apple, Comcast Cable, Jennifer Boehm, Darrin D. Gray, CEO, Braided, John Barrow, Northwestern Mutual Insurance, Greg Sandhage, Innovative, and Jane Edwards, LHP Software.

- Hosted Dr. Gene E. Sease, Chairman, Sease, Gerig & Associates, The Honorable Theodore Boehm, Supreme Court Justice, Dave King, Executive Director, IHETS, Kathy Paton, IBJ, Lynn Stafford, LS Stafford & Associates, Brad Alderson, NCAA, Kirk Stahl, MARC, USA.

Other Outreaches to Business Leaders:

- Chase After Hours, a popular networking event that consistently gathers hundreds of business professionals once a month at various locations from 5-7 pm. Chase Towers was the first networking event the SOI office of community relations attended. These events create a networking environment invaluable to our office to expose local business leaders to the school and extend invitations to the ICTC for tours, demos and ultimately opportunities for our students and faculty.

- Presented “The Vanguard Primary Total Knee Replacement” stereo video to participants of the Indiana Health Industry Forum at the Indianapolis Convention Center on June 13, 2006.

- Presented “Painting with Electrons,” was presented at the Indiana Leadership Summit state’s premiere annual leadership event, convening some 500 top business, government, education and nonprofit leaders responsible for building communities across the state.

Hosted the annual meeting of the Indiana Healthcare Information Management and Systems Society.
Over 190 health information specialists from across the state participated in the RHIO Summit. Speakers included Senator Gary Dillon.


SOI staff attended Chamber of Commerce Business After Hours at University Place. This event was the second networking event attended.

The third "Chase After Hours" was at the WTHR-Channel 13 studios.

SOI director of community relations traveled to Austin, TX to represent the school at the South by Southwest (SXSW) Interactive Festival.

Hosted a V.I.P. table at RLHEC 3 Chef's event. Guests included Senator David Ford, Brian Payne, President & CEO of The Indianapolis Foundation, Matt Carter, VP Indianapolis Convention Center, and Roland Dorson, President of The Greater Indianapolis Chamber of Commerce.

Booth at annual Rotary Club Trade Fair held at the Murat Temple. This venue permits Rotarians and their affiliates to showcase their products, services and programs to the club of over 500 members. Deans Bailey and Hook are Rotary Club members.

American Chemical Society Regional Meeting and 39th Silicon Symposium. The 2006 American Chemical Society (ACS) Central Regional Meeting & 39th Silicon Symposium in Frankenmuth, Michigan. "Diverse Interactions" promoted science, chemical education and the diverse interactions between the scientific disciplines. SOI staff attended the conference on behalf of IUB Informatics Chemical Informatics Graduate Program and promoted the new Graduate Certificate in Chemical Informatics which can be completed via distance learning to more than 1300 attendees.

Showed "Painting with Electrons" at the 2006 Solutions Conference.

The SOI sponsor a table for the Techpoint Mira Awards ceremony where SOI Albert William (IUPUI) and Dennis Groth (IUB) were nominated for Educational Contribution to Technology.

Current Concepts in Joint Replacement (CCJR) conference in Las Vegas, Nevada. The Current Concepts Institute in their twenty-first year are globally attended by more than 2000 orthopedic surgeons annually and are the largest of their kind focusing on joint arthroplasty. SOI was invited by Biomet to exhibit its stereoscopic visualizations at a booth devoted to the SOI. Dale Ray traveled with Albert William and Dean Bailey to showcase the "Live Knee Replacement in 3D" procedure performed by Dr. Michael Berend and narrated by Dr. Merrill Ritter. This piece was viewed in 3D in the large auditorium at the Las Vegas Rio by more than 2500 surgeons, faculty, and medical device manufacturers from around the world.

Sponsored at table at the IPL Power Networking Event. This is a structured networking event that allows Chamber of Commerce members and non-members to make one new business contact every two minutes over lunch or breakfast. This event was held at the Five Seasons Country Club.

Showed "Painting with Electrons" to Lloyd Wright and Richard from the Benton Foundation.

Showed "Painting with Electrons" to visitors from Muroplex Therapeutics.

Showed "Painting with Electrons" and "Hip and Knee Replacement Surgery" to members of the Finish Line Group who are donors to the School of Business (tour requested by the Kelley School of Business dean).

Dean Bailey attended the Oxford Orthopedic 3D Conference, Chicago, Illinois, to demonstrate Albert William's 3D presentations on a John E-Box for Biomet.

A marketing type letter was mailed out regarding the Human-Computer Interaction Graduate program to various businesses introducing the program and its availability of courses to them or their employees.
The SOI office of community relations sponsored the annual Regional Health Information Organization (RHIO) Summit in the ICTC. The office worked closely with Dr. Anna McDaniel, director of the Health Informatics graduate program, to facilitate parking, logistics, catering and a 3D demo at the end of the meeting.

Evidence of Progress for 2005-2006:

Informatics faculty member Danita Forgey, received the IHIMA Professional Achievement Award. Danita is the current program director at the IUPUI Health Information Administration program. Danita has served on the IHIMA board as the President and has served on other IHIMA committees. The Indiana Health Information Management Association first presented the Professional Achievement Award in 1992; Forgey is the 7th recipient of the award. It is awarded to an association member who has demonstrated excellence in the profession. Forgey received the award April 20, 2006 at the IHIMA annual meeting at the downtown Hyatt in Indianapolis.

Activities planned for 2006-2007:

- June 6-10, 2007 New Media Consortium Summer Conference The SOI will host the summer conference of the New Media Consortium (NMC) attracting approximately 500 attendees. The NMC is an international not-for-profit consortium of nearly 200 member institutions from almost every state in the US, across Canada, and in Europe, Latin America, and Japan. Among the membership are an elite list of the most highly regarded colleges and universities in the world, as well as a growing list of innovative museums, research centers, foundations, and forward-thinking companies. The consortium serves as a catalyst for the development of new applications of technology to support learning and creative expression, and sponsors programs and activities designed to stimulate innovation, encourage collaboration, and recognize excellence among its member institutions. Through its many projects, its comprehensive web site, and its series of international conferences, the NMC stimulates dialog and understanding through the exploration of promising ideas, technologies, and applications. On May 8, 2006, Rupert Bonham of “Survivor” fame and local celebrity agreed to do a “commercial” for the New Media Consortium 2007. Marcos Domínguez, undergraduate media arts student, filmed the scripted piece in 3D on the canal and the video was shown at the New Media Consortium 2006 in Cleveland.

- The SOI office of community relations is conducting video interviews with SOI faculty and post to our website. A SOI podcast is planned for the near future. This will probably become a weekly event. An upcoming lecture by a visiting author is to be held in the IT building. We are investigating videotaping this and providing it to The Research Channel.

b. To identify and enhance fundraising and development opportunities.

Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing.

Actions taken for 2005-2006:

New Student Scholarships Established:
Established the David M. Ratts New Media Scholarship, created in memory of the respected SOI academic advisor who served as the New Media program’s primary academic advisor and who passed away on February 7, 2005. This year the recipient is Marilyn Hummel.

The OfficeWorks Informatics Scholarship was awarded to freshman Ryan Andre Earnhart, who received $2,500 fall of 2005 to attain a bachelor’s degree in New Media Arts & Science. The Indianapolis-based company OfficeWorks and the School of Informatics announced the creation of the undergraduate scholarship last year. The scholarship is to benefit an IUPUI freshman pursuing a degree in informatics or media arts and science. The award was designed to encourage students who are Indiana residents of Hispanic descent and who have a record of academic excellence.

OfficeWorks is one of the first companies to respond to a scholarship program initiated by the School of Informatics to encourage the business community to invest in the technology education of Indiana students from underrepresented groups.

Undergraduate student Heather Knoph received the $1,000 Deans Advisory Council Scholarship.

Two SOI students are among the first recipients of the Jesse H. and Beulah Chanley Cox Scholarships at IUB. The new scholarship program, made possible by a $15 million gift from the Coxes.

The Anthem Foundation awarded a grant to the School of Informatics to establish a fellowship to support doctoral students in health informatics at IUPUI. It awards two fellowships, one per year, for $35,000 each year to incoming Ph.D. students in Health Informatics, in 2006 and 2007. Timothy Jay Carney, a public health expert with the Centers for Disease Control and Prevention, has been named the first Anthem Fellow in Health Informatics Fellow.

Health Informatics master’s student, Sharon A. Milligan received a national scholarship awarded to an individual pursuing a degree (undergraduate or higher) in the health informatics field. In addition to the $2,500 scholarship, she received an all-expenses paid trip to the Annual Health Information and Systems Society Conference and Exhibition and the Nursing Informatics Symposium in San Diego.

Received $30,000 from the Guidant Foundation for two fellowships in knowledge discovery in databases for health informatics graduate students. The first fellowship was awarded to new health informatics graduate student Mary McLaughlin for fall of 2005. Press release: http://informatics.iupui.edu/n/270

Guidant Foundation established the Guidant Fellowship to support research and the study of knowledge discovery in databases (KDD) within the field of health informatics. This year Lopamudra Chatterjee received the second Guidant Fellowship to study text mining techniques. She will work with faculty member, Dr. Josette Jones and Patrick Jamieson, MD of Logical Semantics, Inc, an Indianapolis-based company that builds software applications using semantics including data mining in medicine, and real-time semantic speech recognition.

The LabWare Fellowship for Innovation in Laboratory Informatics began to aid students enrolled in the Laboratory Informatics Graduate Program at IUPUI. Future recipients of the fellowship will receive a one-time award of $30,000. Laboratory Informatics graduate student Swati Lakhanpal was named the first recipient of the LabWare fellowship who is expected to complete her studies in December 2006.

The number of presentations at national and international meetings and conferences and the quality of the laboratory informatics program convinced Waters Corporation, a leader in the Laboratory Informatics Software arena, to donate their flagship products to the School of Informatics. The software applications included Waters Empower chromatography system, Waters NuGenesis Scientific Data Management System and Waters eLab Notebook, an electronic laboratory notebook system. This donation was worth $250,000.00.

EKM Corporation invited Mahesh Merchant to be on the Scientific Advisory Board for their LabTrack product, a non-specific electronic laboratory notebook application.

Stela Hinova, a senior in the Health Information Administration Program was awarded a FORE scholarship from the American Health Information Management Association.

Sonia Modarressi and Melinda Dill received $500 scholarships from VanAusdall and Farrar, Inc, an Indiana company established in 1914.

Rebecca Bennett, Melinda Dill and Emmanuel Akosa received Gertrude Gunn scholarships for $1,000 for 2005 - 2006.
The Mary L. McKenzie scholarship was awarded to Lisa Needler Nowling of the HIA program.

This year’s Elton Ridley Minority Scholarship was awarded to Angel Hawkins. This scholarship is awarded to students who are members of a classification of individuals who are traditionally underrepresented in the HIA Program.

Evidence of Progress for 2005-2006:

Advisory boards continue to be created for the School and awareness for the School of Informatics is growing among business leaders in community.

SOI undergraduate and graduate students continue to receive new scholarship sponsorship from various businesses, foundations and the university.

Activities planned for 2006-2007:

Fundraising had mainly been internal through the Capital Campaign which is through the Indiana University Foundation. There are several funds to which staff and faculty can donate including student scholarships, the building fund and then a general fund.

- Investigate a joint appointment with the Center of Philanthropy for a person to engage in fundraising.
- Continue VIP lunches to encourage networking with business leaders.
- Intend to secure some funding streams with the assistance of the advisory boards.
- Several fellowships have been established and received recently to sponsor student scholarships.
- Continue to pursue IUPUI University Graduate Fellowships to attract students from outside universities. Two new out-of-state master’s students will receive University Fellowships for fall of 2006: Arvind Kumar Sekhar, a Bioinformatics graduate student from India and Owen Mitchum, a Media Arts & Science graduate student from the Murray State University, Kentucky. The fellowships award a stipend to the students and Informatics provides the tuition remission.

☐ d. To build awareness of ongoing state government support for Informatics and related university initiatives.

Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing.

Actions taken for 2005-2006:

- The efforts of the working committees of the Informatics Dean’s Advisory Council are to develop lines of communication and establish new contacts in the Indiana state government.

http://informatics.iupui.edu/people/deans_council.php

- Hosted the Australian Consul General, Bob Charles Tour Bob Charles, Australian Consul General and his wife toured the ICTC with Dean Bailey and Neal Moore. Mr. Charles was visiting IUPUI to see first-hand how technology is shaping the learning experience at the university level and the Chief Economic Advisor to President Bush, Allan Hubbard Interview and Tour Neal Moore invited Mr. Hubbard to the ICTC to tape an interview for Comcast Newsmakers hosted by Neal. Mr. Hubbard toured the ICTC including the UIITS laboratories. Mr. Hubbard currently serves as an Assistant to the President for Economic Policy and Director, National Economic Council and resides in Indianapolis. http://informatics.iupui.edu/news/story.php?id=391
Evidence of Progress for 2005-2006:

Activities planned for 2006-2007:

- Continue to work with Dean’s Advisory Council to develop lines of communication and establish new contacts in state government.
- Senator Ford is planning a visit of Informatics on November 20, 2006 with other legislators.

5. The School of Informatics will actively engage with the community in mutually beneficial projects to enrich the larger community and its people.

a. To build relationships with museums and other not-for-profit organizations.

**Campus Planning Theme:** Civic Engagement

**Secondary Goals:**
- **Sub Unit:** None
- **Time Frame:** Ongoing

Actions taken for 2005-2006:

- August 25-September 5, 2005, Gunther Schadow was sent as a stand-in for the dean to Moi University, Eldoret, Kenya. He had meetings with the IUPUI dean and faculty from CIT. His task was to represent our School and explain what our curriculum is etc., and to see what kind of early collaboration interests there was. As these things go, initial reactions were enthusiastic. Dean Bailey planned a visit to Moi University in July of 2006 to further access how SOI could develop an outreach to that area. Bailey is working with the School of Medicine faculty in developing a grant to help with their technology needs and a SOI team plans to go there in November of 2006.
- A group from SOI and the School of Journalism traveled with the Operation Walk team to Havana, Cuba, on April 23-29, 2006 where Operation Walk performed over 50 hip, knee, and foot surgeries at the Frank Pias Orthopaedic Hospital. The group made documentary videos/photos of the surgeries and documented the progress of patients who were treated on a previous trip, three years ago. Other participants from the School of Informatics developed a patient data management system that provided a way for medical personnel to collect data with wireless handheld units. This is part of a larger system for managing patient records for use by medical missions groups. While in Havana, the group participated in a video conference that was part of a session presented by Dr. Bailey at the Internet2 Spring Member Meeting in Arlington, VA. The session highlighted ways the Internet2 Research Networks could benefit collaborations between medical personnel in developing countries. The video link with Havana was the result of three years’ effort by many people involved with Internet2’s telecommunication research efforts.
- Hosted two tables at a Spirit of Philanthropy luncheon held at the Scottish Rite Cathedral. Informatics honorees included Carol A. Lewis (HIA) and LabWare, Inc. for their generous contributions to the Laboratory Informatics Graduate Program.
- Showed "Painting with Electrons" and "Hip and Knee Replacement Surgery" to visitors from the Indiana State Museum.
- Showed "Painting with Electrons" and "Hip and Knee Replacement Surgery" to representatives from Ivv Tech.
Previous Indianapolis Museum of Art grant for &nbsp;development of “ArtXplore” an interactive museum guide PDA applications, (faculty members involved in the project are Bao, Comer, Hamdouchi, Kernick, Laranja, Tennant)

“Reflections of Architecture” produced a DVD for the Columbus Museum of Art (Susan Tennant)

Faculty &nbsp;Barbara Hayes led a project to promote the importance of meningitis inoculations for college-bound students, and that work has been recognized by the Indiana Immunization Coalition. Hayes has received the Wyeth Immunization Advocate Award, given annually to an individual or organization that has devoted significant effort to promote and increase childhood immunizations. &nbsp;She was project leader and scriptwriter for Danger Stalks the Dorm, an interactive computer game geared to high-school students and young adults about the risks of contacting meningococcal meningitis if they plan to reside in dorms or share apartments when they attend college. The game designed to be played on a CD or online, now is in the hands of the Marion County Health Department, which is expected to work with a pharmaceutical company to underwrite the costs of the game’s mass distribution. Danger Stalks the Dorm was produced under the auspices of the School’s Informatics Research Institute in Indianapolis. &nbsp;http://informatics.iupui.edu/news/story.php?id=308

Enzastaurin movie: 3D stereoscopic movie on the mechanism of action of enzastaurin, a novel anti-cancer agent in development at Eli Lilly and Company.

Dental caries teaching tool: An image-based interactive teaching module for dental students being developed with Drs. Andrea Ferreira Zandona and Carlos Gonzales-Cabezas of the I.U. School of Dentistry being developed in the SOI IRI.

Design and Development of Health Resource Database website for the AHRQ PBRN Resource Center at Wishard Hospital, faculty Jolene Kernick.

Eiteljorg Museum Ambient Sound Production Produced Audio Ambient sound CD for the Eiteljorg Museum, faculty Joe Defazio.

Project Manager for FACET (Office of Professional Development at IUPUI) - developed a DVD training disc with New Media graduate students and faculty Joe Defazio.

Multi-Purpose Cell phone Design (in progress) The design of physical affordances for multifunctional (voice &amp; multimedia) cell phones and their capability to transfer media, including photo, stereo, etc.) working with Motorola and Dr. Sorin Matei, Purdue University, faculty Tony Faiola.

Students in A451 Advanced Video class and &nbsp;faculty Edgar Huang &nbsp;produced a documentary video on organ donation for Methodist Hospital in Fall 2005, Documentary Video Production Grant, Indianapolis Methodist Hospital.

Students in N501 class &nbsp;produced four public service announcement videos for Indianapolis Parks Foundation in the fall 2005, city agency, faculty Edgar Huang. &nbsp;Resource Grant, Indianapolis Center for Congregations, non-profit, faculty Edgar Huang.

Students in N501 Foundations of Digital Media and faculty Edgar Huang produced five Public service announcements videos for Riley Children’s Hospital and Indiana Smoke Free in spring 2005 - PSA grant, Indiana Smoke Free state agency


Swine Cast - Project Managed, composed, produced, recorded, arranged and mastered music and voice over for an ad for Elanco and El Lilly Grant, faculty Ricardo Laranja.

Stereoscopic and standard multimedia informational animations of the affects of PkC Beta Complications on Diabetic Retinopathy, El Lilly and Company, faculty Albert William.

Stereoscopic 3D movie of knee and hip replacement, Operation Walk, faculty Albert William and Ricardo Laranja.

Designed Phonebook ad for Crager-Bartles Real Estate Company, faculty Beth Lykins.

N190 students created a website for PACE/OAR (Public Action in Correctional Effort, Inc./Offender Aid and Restoration, Inc.), government agency, faculty Beth Lykins.

Oversaw development of the Acoustic Interface in collaboration with the Indiana School for the Blind and Visually Handicapped, faculty Steve Mountain.
Evidence of Progress for 2005-2006:

The SOI continues to receive many requests for web-based type or computer animation projects that involve faculty and student collaboration.

Activity is documented above.

Activities planned for 2006-2007:

Dean Mathew Palakal will lead a team of four in November of 2006 to Moi University in Eldoret, Kenya (Kim Melhuck, SOI director of technology services, Susan Tennant, SOI clinical assistant professor and Atir Zafar, VA faculty), in order to build collaborative links with colleagues in informatics, establish a wireless computer network on the main campus, and to create a DVD of the signing ceremony. Many of the museum civic engagement projects that were started in previous years will continue through this year.

September 22, 2006 visit and tour is planned by the Metropolitan Museum of Art, Manhattan, New York which includes the following people:

- Carrie Reborah-Barrat, Curator, American Paintings & Sculpture
- Douglas Hegley, Deputy CTO, Information Systems and Technology
- Deborah Howes, Director of Educational Media
- Daniel Kershaw, Chief Exhibition Designer
- Koven Smith, Senior Analyst for Content Management, Information Systems & Technology

Visitors from the Indianapolis Museum of Art:

- Robert Stein, Chief Information Officer, Director Museum Systems
- Linda Duke, Director of Education
- Daniel Incandela, Manager of Educational New Media
- Harriet Warkel, Curator of American Art Others

b. To work with K-12 populations.

Campus Planning Theme: Civic Engagement

Secondary Goals:
Sub Unit: None
Time Frame: Ongoing.

Actions taken for 2005-2006:
- SOI faculty Albert William was instrumental in creating 3D animations which are now in use at the Ruth Lilly Health Education Center (RLHEC) in Indianapolis to help educate nearly 100,000 students annually. The stereoscopic display is helping to revolutionize a subject area to students K-12 that traditionally has been very difficult to learn. Content created by the research team at the SOI has been implemented to fit into the curriculum of the RLHEC. Other faculty research associates involved on the project are Xiaqin Bao who works on databases, Jolene Kernick who works on the technical documentation for the project and Skip Comer, who is the project coordinator. Additional story on health issues and obesity in children:
- Hosted 35 IPS Technology Services students and faculty.
- Hosted 25 students and five faculty members from North Wayne Elementary School.
- Booth at The Hoosier Association of Science Teachers, Inc. (HASTI) held its annual convention at the Convention Center. Featured faculty member Albert William’s stereoscopic works on the John-E-Box and a multimedia display of the school’s accomplishments and work. This was a great venue for 2000 middle and high school science teachers to learn about Informatics undergraduate degrees for their students.
- Hosted Orchard School of 15 middle school children and 5 faculty members.
- Booth at the Intel International Science and Engineering Fair (ISEF) presented by Agilent Technologies is the world’s largest science competition for high school-aged students. Informatics purchased a new “Green Screen Studio” and printed over 1500 photos for the students and their teachers and showcased our stereoscopic imaging on a John-E-Box in the IUPUI booth. Informatics students, faculty and staff from both campuses staffed the booth and green screen studio.
- Hosted a Boy Scout troop of twelve.
- Hosted the Indianapolis Urban League’s “Soon to Make a Difference (SMD)” annual awards graduation ceremony in the ICTC. SMD is a program designed especially for minority females between the ages of 12-16 to gain knowledge and hands-on experience in various technical careers.
- Hosted Key Learning Community Schools of 120 students.
- Hosted 50 potential students for the Career Center Partnership.
- Presented “Painting with Electrons” to participants of the New Covenant Church Media Camp in the main theater twice in the summer.

Evidence of Progress for 2005-2006:

“Health Education for the 21st Century Project”, which is a collaborative effort between the Ruth Lilly Health Education Center, the School of Informatics, the School of Health and Rehabilitative Sciences, and the Polis Center, was funded for a second three year/$3 million grant by the Lilly Foundation. Newly appointed Associate Dean for Graduate Studies and Research Mathew Palakal is Principal Investigator in the continuation of this project.

Activities planned for 2006-2007:

- Continue work on the Ruth Lilly Health Education Center (RLHEC) Project.
- Continue to work with K-12 populations.
- Continue to work with the Indianapolis Urban League and teen minority girls.
- Continue offering tours of the Informatics classrooms and 3D demonstrations to students through K-12.

☑ c. To work with diverse populations in the community.
Campus Planning Theme: Civic Engagement
Secondary Goals:
Actions taken for 2005-2006:

- SOI faculty Albert Williams was instrumental in creating 3D animations for the use of stereoscopic display medium which is now in use at the Ruth Lilly Health Education Center (RLHEC) in Indianapolis to help educate nearly 100,000 students annually. The stereoscopic display is helping to revolutionize a subject area to students K-12 that traditionally has been very difficult area to learn. Content created by the research team at the IUPUI SOI has been implemented to fit into the curriculum of the RLHEC. Other faculty research associates involved on the RLHEC project are Xiaqi Bao who works on databases, Jolene Kernick who works on the technical documentation for the project and Skip Comer is the project director for SOI development team and a developer. Shelly Hartanto is also a developer. A recent initiative of the RLHEC by Sonar Studios is that students can listen in Spanish on headsets for the educational presentations.
- The SOI hosted the Indianapolis Urban League’s “Soon to Make a Difference (SMD)” annual awards ceremony. SMD is a program designed especially for minority females between the ages of 12-16 to gain knowledge and hands-on experience in various technical careers. They take in an Informatics student as an intern for the program. Informatics alumni Nycole Johnson is the director of the program at the Indianapolis Urban League.

Student Scholarships Awarded to Minority Students:

- IUPUI freshman Ryan Andre Earnhart received the Office Works Informatics Scholarship. He received $2,500 to attain a bachelor’s degree in New Media Arts & Science for fall of 2005. The scholarship is to benefit an IUPUI freshman pursuing a degree in informatics or media arts and science. The award was designed to encourage students who are Indiana residents of Hispanic descent and who have a record of academic excellence.
- This year’s Elton Ridley Minority Scholarship of $1,000 was awarded to Angel Hawkins. This scholarship is awarded to students who are members of a classification of individuals who are traditionally underrepresented in the HIA Program.

Evidence of Progress for 2005-2006:

Activities as specified above.

Activities planned for 2006-2007:

- Continue collaboration with the Indianapolis Urban League in their recruitment of minority girl teens to the use of technology.
- Continue the collaboration with the RLHEC.
- Black Expo 2006 organizers met with the Office of Community Relations, IUB and IUPUI External Affairs and IUB Informatics Communications Office to discuss Informatics’ presence at Black Expo 2006. The gallery was set up with the green screen studio and John-E-Box to demonstrate the technology Informatics and New Media offers. As a result of this meeting, the SOI will facilitate a booth in the Indianapolis Convention Center.
- Continue scholarships for minority students.

Fiscal Health
Credit hours and student fees

The number of undergraduate majors remained steady in 2005/2006, and credit hours increased 6% over 2004/2005. The number of graduate majors also remained steady, but credit hours decreased 20% over 2004/2005. Income from student fees increased by 8% over 2004/2005, compared to a 26% increase the previous year. Since appointing a new associate dean for graduate studies and research in August 2006, we have restructured the graduate office and its operations in order to address the issues leading to the decrease in graduate enrollment.

Student support and giving

The School of Informatics awarded 13 student scholarships in AY05/06. Six of these scholarships were awarded to HIA students. A new IU Foundation account was set up for a fellowship awarded by the Guidant Foundation for a Health Informatics graduate student. The first recipient was Mary McLaughlin. The Excellence in New Media Scholarship was renamed the David M. Ratts Excellence in New Media Scholarship in honor of the beloved junior/senior advisor who unexpectedly passed away in February 2005. The first recipient was Ryan Knopp. Ryan Earnhart was the first recipient of the Officeworks Scholarship. Four $500 scholarships were given to undergraduate New Media students.

Facilities

The Informatics undergraduate program as well as the Health, Chemical and Laboratory Informatics graduate programs continue to be housed in the Walker Plaza building. The computational laboratory and robotics laboratory for the Laboratory Informatics program continues to grow and attract interest from various companies wishing to make donations to the program in terms of software and hardware. We hope that the eventual completion of the Life Sciences building as well as the proximity to the new Clarian facility will attract even more students to this worthwhile program.

IT 468 is now equipped with laptops and workstations for Ph.D. students to do their research and IT 476 is a lab for bioinformatics graduate students who are research assistants.

A new collaboration was established in February 2006 between the School of Informatics and the Purdue School of Engineering and Technology CyberLab. The CyberInformatics Learning Lab is now housed in the former dean’s suite in the Walker Plaza building, suite 370. The Learning Lab serves as an environment for faculty members of the SOI to collaborate on grants and provides internship opportunities. CyberLab developed the Epsilon beta environment [http://www.epsilon.com]. Members from 180 colleges and institutions are now using Epsilon. These tools can be used to create faculty profiles. Currently, German exchange students from Bremen University in the New Media undergraduate program are using Epsilon as are approximately 80 students in the executive associate dean’s N100 undergraduate course.

Future Activities:

The dean followed up with a meeting October 30, 2006 with the university architects office and Ratio Architects
about developing IT360 as an audio production room and IT 358 as a video production room. We are now in the design phase and hope to have the room finished in time for the New Media Consortium conference in June 2007.

Six post-doctoral fellows who are the research team for our new senior bioinformatics faculty member will be housed on the first floor of the Walker Plaza building in fall of 2006.

Student technology fees

Our student technology fee income (to our 12-980-30 account) in fiscal year 2005/2006 was budgeted to be $67,686. Out total technology budget for that fiscal year was close to $409,000 (not including technology personnel), which included software, hardware, servers, maintenance (45%), computers (40%), projector supplies (5%), and A/V expenses (10%). This fiscal year the technology budget is $383,000 (not including technology personnel), with student technology fee income budgeted at $61,901. The remaining expenses are supplemented by our course-related fees (computer laboratory fees) and by instructional fees and state appropriation. The majority of our expenses in the next 2-3 years will include desktop replacement.

Reallocation Plan

Other Question(s)

1) **Doubling goals:** In what ways has and will your responsibility center contribute to the Chancellor's doubling goals for enrollment (retention and graduation rates and degree conferrals), research and scholarship (grants and contracts), and civic engagement (service learning, internships, community collaborations)?

1) Various staffing of booths for undergraduate and graduate programs will continue especially in Indiana as an outreach.

2) More flexible schedule for New Media students to take classes in the summer that are offered every day for one week, i.e. "boot camp" type classes.

3) Online course development - Faculty members John Brian Ludwick and Jennifer Stewart are working on the first New Media online course. This course will be offered during the Summer I, 2007 semester. All Health Information Administration classes were developed for distance education. These courses will be offered in the Fall of 2006. The Health Informatics Graduate Program has some online classes and two Health Informatics graduate students commute from Evansville so online classes have helped in their hospital work schedules. The first HCI Graduate Course will be offered online in the spring of 2007. Dean Hook developed and taught five Informatics online courses in 2005.

4) Classes are being video conferenced/polycom from Bloomington for the master and doctoral students so they do not have to commute to Bloomington to take courses, but can register for those courses at IUPUI and then SOI faculty monitor those courses here on campus.

5) One staff and an internship program director were hired within the last year to create the department of SOI Career Services. eCampusRecruiter (EASE) was established providing an online recruiting source for employers and students to make connections on for internships and full-time positions. The SOI Career Services Office proactively visited numerous Informatics and New Media classes to explain the new recruiting system. In 2005 there were 41 credit internships. Since November 2005 (when the recruiting system was established) to June 31, 2006 we have had 156 internship and full-time positions posted with 260 student applications to these positions.

6) A new director of community relations was hired this year. The SOI Office of Community Relations engages in a variety of outreach strategies, most significantly with a VIP Luncheon series. They target five primary audiences for outreach: business and industry, not-for-profit organizations, government entities, other institutions of higher education and the news media. The
VIP Luncheons are held twice monthly and include invitees from the previously mentioned targets. Generally, there are six to ten people for an informal luncheon and building tour. Our purpose is to answer three primary questions: Who are we, what we do, and why it is important. Through this and other strategies they are helping our community better understand what informatics is, and the role that our school plays in educating technology workers. When we educate business leaders to what programs our school has to offer it may encourage them to refer their employees to attend out school for educational opportunities.

7) The Informatics Research Institute (IRI) was created to help coordinate grant and research activity: http://iri.informatics.iupui.edu/. For the 05-06 fiscal year, the total number of grant and contract proposals processed through the IRI were 44, with a dollar value of $9,804,451. Of those, 14 have been funded so far, with a dollar value of $1,370,552. A new faculty load policy went into effect for the Fall 2006 semester. Tenure-track faculty now have a course load of 2/2, clinical and research associates have a course load of 3/3, and lecturer and visiting lecturers have a course load of 4/4. This allows faculty to have more time for creative activity and research development.

8) SOI has several joint faculty appointments with CIT, School of Nursing, Science, Computer Science and the School of Medicine. Currently considering a joint faculty appointment with VA/Regenstrief. There are also several research and civic engagement projects collaborated with other schools, museums and several non-profit and for-profit businesses.

9) A majority of the civic engagement projects are listed under the school’s goals.

2) Diversity: What actions have you taken and what results have you achieved in retaining and graduating a diverse student body; enhancing diversity in research, scholarship, and creative activity; and recruiting, developing, and supporting diverse faculty and staff?

Hiring Minority Faculty and Staff:

All SOI faculty and staff advertisements state, "The School of Informatics is eager to consider applications from women and people of color. Indiana University is an Affirmative Action/Equal Opportunity Employer." All minority faculty and staff are considered in hiring. We have several Asian faculty members and a Latino faculty member.

Staff: Sheila Morris-Watson was hired on May 2, 2005 who is the Academic Advisor for juniors and seniors in the SOI. Morris-Watson is a member of the National Academic Advising Association and a volunteer for the Indianapolis Children’s Museum. She also works with the Indianapolis Urban League’s SMD.COM (Soon to Make a Difference in the Community) Program, a program geared toward young minority teens ages 12-16. The program encourages students to explore opportunities in the world of technology and introduces the students to informatics and new media utilizing such programs as Flash, Dreamweaver and Microsoft Publisher.

Faculty Ricardo Laranja advanced from visiting lecturer to a lecturer on August 1, 2006. Ricardo has been a visiting lecturer for three years at the SOI. He earned his master’s degree in media arts and science from SOI, an undergraduate degree in applied jazz performance from Aquinas College, and a performance certificate from the Berklee College of Music in Boston. A native of Brazil, he brings sensitivity to our Hispanic students on many levels, and is able to encourage them (and all students) not only through his abilities as a fine teacher, but also as a musician well versed in the cultural idioms of Latin and South America.

Civic Engagement Projects or Recruitment to Minority Students:

Albert William, Informatics faculty, was instrumental in creating 3D animations for the use of stereoscopic display medium which is now in use at the Ruth Lilly Health Education Center (RLHEC) in Indianapolis to help educate nearly 100,000 students annually. The stereoscopic display is helping to revolutionize a subject area to students K-12 that traditionally has been difficult to understand. Courses in art and science at RLHEC are now using the stereoscopic display.
very difficult area to learn. Content created by the research team at the IUPUI School of Informatics has been implemented to fit into the curriculum of the RLHEC. Other faculty research associates involved on the RLHEC project are Xiaojun Bao who works on databases, Jolene Kernick who works on the technical documentation for the project and Skip Comer is the project director for SOI development team and a developer. Shielly Hartanto is also a developer. A recent initiative of the RLHEC by Sonar Studios is that students can listen in Spanish on headsets for the educational presentations.

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Black Expo 2006 organizers met with the SOI office of community relations, IUB and IUPUI External Affairs and IUB Informatics communications office to discuss Informatics’ presence at Black Expo 2006. The gallery was set up with the green screen studio and John-E-Box to demonstrate the technology Informatics and New Media offers. As a result of this meeting the SOI will facilitate a booth in the Indianapolis Convention Center July 15-18, 2006.

Student Scholarships: Awarded to Minority Students:

- IUPUI freshman Ryan Andre Earnhart received the OfficeWorks Informatics Scholarship. He received $2,500 to attain a bachelor’s degree in New Media Arts &amp; Science for fall of 2005. The Indianapolis-based company OfficeWorks and the SOI announced the creation of the undergraduate scholarship last year. The scholarship is to benefit an IUPUI freshman pursuing a degree in informatics or media arts and science. The award was designed to encourage students who are Indiana residents of Hispanic descent and who have a record of academic excellence.
- OfficeWorks is one of the first companies to respond to a scholarship program initiated by the School of Informatics to encourage the business community to invest in the technology education of Indiana students from underrepresented groups.
- This year’s Elton Ridley Minority Scholarship of $1,000 was awarded to Angel Hawkins. This scholarship is awarded to students who are members of a classification of individuals who are traditionally underrepresented in the HIA Program.

3) Campus collaboration: In what ways has your unit collaborated with other units to enhance teaching and learning and/or research and scholarship? What plans do you have to strengthen collaborative activities in coming years?

SOI has several joint faculty appointments with CIT, School of Nursing, Computer Science and the School of Medicine. Currently considering a joint faculty appointment with VA/Regenstrief. There are also several research and civic engagement projects collaborated with other schools and departments at IUPUI.

Throughout this annual report several grants and civic engagement projects are mentioned that are involved with other schools.

A new director of bioinformatics, Keith Dunker, was hired in the fall of 2007. His major goal will be to increase communication and interaction among the bioinformaticists in the School of Informatics, the School of Medicine, the School of Science, and with the School of Informatics in Bloomington. To this end, we are organizing a retreat on February 3, 2007, at Bradford Woods.

A new collaboration was established in February 2006 between the SOI and the Purdue School of Engineering and Technology CyberLab. The Cyberinformatics Learning Lab is now housed in the former dean’s suite in the Walker Plaza building, suite 370. The Learning Lab serves as an environment for faculty members of the SOI to collaborate on grants and provides internship opportunities. CyberLab developed the Epsilon beta environment http://www.epsilon.com. Members from 180 colleges and institutions are now using Epsilon. These tools can be used to create faculty profiles. Currently, German exchange students from Bremen University in the New Media undergraduate program are using Epsilon as are approximately 80 students in the dean’s N100 undergraduate course.
Dean Hook and professor Derazio collaborated with Computer Science and the CIT department for a possible new undergraduate degree in security informatics in the future.

Dean Hook collaborated with the School of Physical Education for a new undergraduate cognate and courses in sports informatics. A new Sports Science cognate was developed: http://informatics.iupui.edu/academics/cognates/HPER-SCI.php; and a new Sports Studies cognate was developed: http://informatics.iupui.edu/academics/cognates/HPER-STUD.php; News posting: http://informatics.iupui.edu/news/story.php?id=342.

The SOI offers two Informatics courses, each semester for the Bachelor of Science in Forensic and Investigative Science degree through the Purdue School; (i.e. SOI offered; Fall of 2005 and 2006 - Photography of a Crime Scene I & II. Spring 2005, 2006, 2007; Scientific Digital Imaging I & II)

Dual course offered with School of Business; associate dean fall of 2006 - I590, Section 28594, Hi-Tech Start Ups: Life Sciences.

One Ph.D. student from Purdue School of Health Science is working with joint Informatics/CIT faculty professor Huannei Wu on a medical related project. A Computer Science graduate student is working with SOI faculty Pedro Romero on a NIH grant here.

Last March of 2006, SOI faculty met with researchers at the VA Center of Excellence in Implementing Evidence-Based Practice to establish collaborative research projects. Several faculty have projects under development at the VA.

The “Health Education for the 21st Century Project”, which is a collaborative effort between the Ruth Lilly Health Education Center, the SOI, the School of Health and Rehabilitative Sciences, and the Polis Center, was funded for a second three year $3 million grant by the Lilly Foundation. Newly appointed Associate Dean for Graduate Studies and Research Mathew Palakal is Principal Investigator in the continuation of this project.

4) International scholarship: How extensively are faculty in your school involved in research on international topics or in collaborations with international colleagues? Please cite some examples.

- Dr. Anthony (Tony) Faiola, associate professor & associate director, Human Computer Interaction graduate program at IUPUI, presented four papers at two international conferences this summer of 2006. The papers represent current research with his graduate students, and with faculty from the IU School of Medicine. Dr. Faiola presented two papers with his graduate students at the CATA 06 (Cultural Attitudes towards Technology and Communication) Conference in Tartu, Estonia. Additionally, Dr. Faiola was a presenter at the 11th Annual Information Visualization – HCI Symposium in London, England. Dr. Faiola also was selected to receive a grant related to his research in human computer interaction. Dr. Faiola was awarded a PRAC (Program Curriculum Review and Assessment) grant to do an in-depth assessment of the HCI 1 course, which is the gateway course in IUPUI’s informatics HCI grad program. http://informatics.iupui.edu/news/story.php?id=446
- Overseas Conference Fund grants were awarded to Associate Dean Sara Hook, Associate Professor Karl MacDorman and Assistant Professor Jake Chen.
- Associate Professor Karl MacDorman co-organized a workshop Views of the Uncanny Valley at the 2005 IEEE-RAS International Conference on Humanoid Robots workshop, where he also presented a paper.
- Jake Chen co-chaired an international bioinformatics workshop held in Nankin, China, on November 2-5, 2005 with Dean Palakal.
- Jake Chen is on the second and final year of IU International Affiliation Grant, collaborating with the Bioinformatics Center at Peking University. This collaboration was highlighted when Provost Michael McRobbie visited Peking University in Jan when faculty professor Jiying Wei, director of the Bioinformatics Center, mentioned her
Feking University in July, where Professor Liping Wei, director of the Bioinformatics Center, mentioned her collaboration with IUPUI was through Dr. Chen on bioinformatics projects.

- Jake Chen started a new IUPUI International Collaboration with professor Xiaoyan Zhu, Department of Computer Science and Technology, Tsinghua University supported by a new IUPUI International Collaboration Grant on a research titled "Mining Disease Biobinome". He recently invited professor Xiaoyan Zhu to visit IUPUI computer science department and the School of Informatics, and Center for Computational Biology and Bioinformatics. This visit involves not only bioinformatics collaboration between her, Dr. Mathew Palakal, and Chen, but also reaches out to discussions on how to establish broader collaborations between IUPUI School of Informatics and Tsinghua CS Dept, particularly faculty visits and student exchange programs.

- When Beth Lykins, M.S. Media Arts and Science, 2004, submitted her photos to a new website called www.morguefile.com, she had no idea it would lead to an international publication credit. Morguefile is a site where visitors can download high quality, high resolution images that are completely royalty free. [http://members.shaw.ca/mobbing/mobbingCA/legal-1.htm](http://members.shaw.ca/mobbing/mobbingCA/legal-1.htm)

- Danita Forsey, director of SOI HIA program, presented on the topic of "Health Information Management in Taiwan," at the Kentucky Health Information Management Association Annual Spring Meeting in May 2006 in Covington, KY and then the same topic at the Indiana Health Information Management Association Annual Meeting, Indianapolis, IN in April of 2006. She also presented "DRGs in Taiwan", at the Indiana Health Information Management Association Fall Conference, Nashville, IN. Danita had previously been a keynote speaker for the Taiwan Medical Record Association annual meeting in Taitun, Taiwan in April 2005. The topic was "Government Oversight of Healthcare Reimbursement."

**Faculty International Collaborated Publications:**

Our new senior bioinformatics faculty, Yaoqi Zhou, who began August 1, 2006 has research collaborations with Professor Jiandong Ding at Fudan University, China on protein folding dynamics and Professor Luhua Lai at Beijing University, China on structure-based drug design. There are several papers in preparation.

Our new HCI faculty, Karl F. MacDorman has several international collaborated publications which are listed at [http://www.macdorman.com](http://www.macdorman.com)

5) **Internationalization of curriculum:** How extensive are international perspectives and content in curricula in your school? Are international perspectives present in the core requirements for undergraduate degrees? Are there degree or certificate programs with an international emphasis? Do you have study abroad programs?

A list of international exchange programs agreements are below. In fall of 2005, there were two exchange students who attended the New Media undergraduate program from Bremen University, Germany:


For fall of 2006, there are three students exchange students attending the New Media undergraduate program from Bremen University, Germany and two students attending from the National Chengchi University, Taiwan. Two exchange students from the National Chengchi University from Taiwan are expected to attend the New Media undergraduate program in Spring of 2007. Dean Bailey lectured to faculty of Bremen University for the Bremen Exchange Collaboration, Bremen, Germany on July 18, 2006.

In the spring of 2007, there are plans to teach a joint advanced course with the University in Wiesbaden, Germany on "Life Science Automation." Representatives from Fachhochschule Wiesbaden University of Applied Sciences visited and toured the facilities on June 27, 2005 and an exchange agreement was signed for the Laboratory Informatics graduate program.

Fulbright Scholar Dr. Xigui (Richard) Sheng visited SOL in October 1, 2005 - August 4, 2006. During his 10-month stay he will conduct research in new media education in American universities and the role of new media in
Jake Chen recently invited professor Xiaoyan Zhu, Department of Computer Science and Technology, Tsinghua University to visit IUPUI, computer science department and the SOI, and Center for Computational Biology and Bioinformatics. This visit involves not only bioinformatics collaboration between her, Dr. Mathew Palakal, and me, but also reaches out to discussions on how to establish broader collaborations between IUPUI School of Informatics and Tsinghua CS Dept, particularly faculty visits and student exchange programs.
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<th>INSTITUTION</th>
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<td>London Institute of the Arts</td>
<td>New Media</td>
<td>1999 - no formal agreement</td>
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*Under development

Dean Mathew Palakal will lead a team of four in November of 2006 to Moi University in Eldoret, Kenya (Kim Melluck, SOI director of technology services, Susan Tennant, clinical assistant professor and Atir Zafar), in order to build collaborative links with colleagues in informatics, establish a wireless computer network on the main campus, and to create a DVD of the signing ceremony. Dean Bailey had visited Moi University in July of 2006 to access how SOI could develop an outreach to that area. Bailey is working with the School of Medicine faculty in developing a grant to help with their technology needs.