PIPELINE

CSE at MSU: Celebrating 40 Years of Success

It was a time for celebration. On October 3, more than 200 alumni, students, faculty, staff, emeritus faculty, and members of the IT community all converged on the MSU campus to celebrate the 40th anniversary of the founding of the computer science and engineering department in the College of Engineering. It was a celebration of scholarship and accomplishment … a time to look back at all that has happened in computer science and a time to look ahead at a new era of technology.

CSE had established its roots even before it was formally recognized as a department. Computer work at MSU started in 1955, when MSU was still MSC (Michigan State College). In 1956, the Computer Laboratory was established in the College of Engineering with the objective of serving the entire campus. Some of the early work in computer science at MSU took place in the electrical engineering department.

Early leadership came from Lawrence Von Tersch (founder and director emeritus of the Computer Laboratory and dean of the college from 1968-1989), Julian Kateley (professor emeritus and associate director emeritus of the Computer Laboratory), Richard Reid (founding chair of the computer science department),

Harry Hedges (computer science department chair from 1969-1984), Glen Keeney (associate professor emeritus, computer science), and Richard Dubes (a professor in the computer science department until his death in 1993).

Computers at that time were massive machines and delivered less computing power than even the slowest of today's personal computers. The MISTIC (Michigan State Integral Computer) became operational on October 18, 1957, and was continually upgraded until 1963 when the university acquired a CDC 3600 mainframe computer that was located on the second floor of the Computer Center. In 1965 the computer science program was established in the College of Engineering and in 1967 the bachelor's degree in computer science was authorized. In 1968, the CDC 6500 was acquired. The Department of Computer Science was officially established in December 1968, and the graduate program was approved in 1970. The department was renamed the Department of Computer Science and Engineering in 1998.

Kevin Ohl (BS '78, MBA '81), an executive with Crowe Horwath LLP in Chicago, gave the keynote address at the October 3 celebration. "Much as today's students do not know of life without GPS systems or cell phones, it is hard to fathom how we computed in the past," said Ohl. "We have experienced breathtaking change." Ohl pointed

Department of
Computer Science and Engineering

CSE
40 YEARS

40

**40 Years Celebration
October 3rd, 2008**
www.cse.msu.edu/40years

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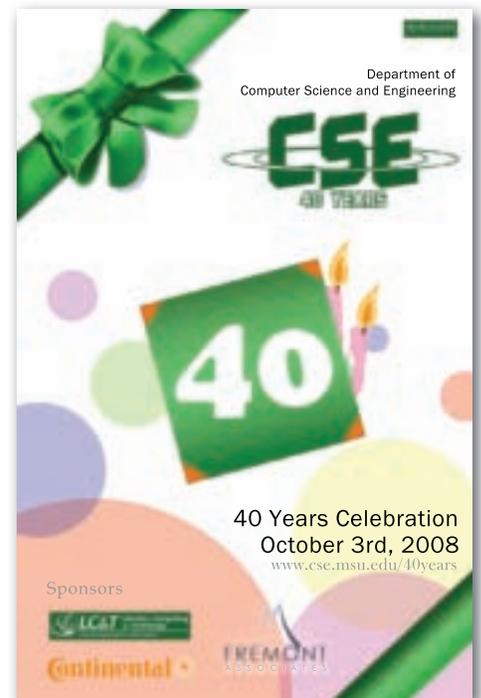
out that over the years, the CSE department has demonstrated strong leadership. Richard Reid was the founding department head, followed by Harry Hedges and John Forsyth (acting chairperson). Tony Wojcik steered the department for 10 years, followed by Anil Jain, George Stockman, Wayne Dyksen, Laura Dillon, and the current chair, Matt Mutka.

From the beginning, the academic curriculum was strong. "Although extremely challenging, the curriculum offered in the early days of the

Even if you were not able to attend the celebration, you can help the department to continue to celebrate by visiting the CSE photo gallery, contributing your memories to the online history archive, and joining the Facebook group. Visit www.cse.msu.edu.

Celebrating 40 years of computer science

**CSE
40 YEARS**

MICHIGAN STATE
UNIVERSITY

from the Chair

MATT MUTKA

I t has been an exciting fall semester within the Department of Computer Science and Engineering at MSU. In the last few months, (1) we welcomed several new faculty to the department, (2) we celebrated an important anniversary milestone, and (3) we inaugurated a new endowed fund to honor faculty, staff, and alumni that have inspired our students, both past and present.

First, we are pleased to welcome four new faculty. Titus Brown and Yanni Sun offer new expertise to the department in computational biology and bioinformatics. Yiying Tong provides new capabilities in computer graphics, computer animation, and discrete geometric modeling. Guoliang Xing's knowledge and research enhances the department's efforts in sensor networks and mobile computing. These new faculty members bring energy with their research and educational activities in the department. Their arrival is another sign of the growth and positive trends we expect to continue within the department.

Second, the department had a wonderful celebration of its 40th anniversary on October 3, 2008. Many alumni and friends came to campus to join our students, faculty, and staff during an afternoon of remembrances and discussions. Kevin Ohl delivered a keynote address that recalled many of the accomplishments of the department and looked to the future technologies and possibilities within computer science. During the panel discussion that was part of the anniversary program, panelists, who included former faculty and alumni, recounted the state of the discipline 40 years ago and addressed their views of what to expect in the coming years. Participants were treated to a departmental open house and reception in order to catch up with others and celebrate the years that have passed.

Third, Kevin Ohl unveiled a new endowed fund for the department, called the Horizon Fund. It is a fund in which donors have an opportunity to provide a tribute to faculty, staff, or alumni who provided an inspiration to the donor. When unveiling the fund, Kevin recounted the faculty who made an impact on him while he was a student at MSU. The Horizon Fund is a place for donations, big or small, which will generate funds for the department to pursue new innovative educational and research activities and continue to recruit world-class students. We thank Kevin and Sue Ohl for starting this fund and look to other alumni to join them in the effort to continue to build the department for the future. ✺

CSE Horizon Fund: A Legacy for the Future

A s part of its 40th anniversary celebration, the Department of Computer Science and Engineering announced a new endowed fund — the Computer Science and Engineering Horizon Endowed Fund, which will help to support a strong future for the CSE department at MSU. Kevin Ohl and his wife, Sue, established the endowment. All CSE alumni and friends of the department are encouraged to contribute to the fund; it's an opportunity for alumni, especially young people just starting their careers, to provide modest financial support to the department.

In addition, the Horizon Fund provides a way for CSE alumni to honor faculty they believe have impacted their lives and careers. In announcing the fund, Ohl recognized numerous faculty who "helped make it happen for me at MSU and consequently after I left MSU." Other donors are invited to submit tribute messages to recognize honorees. Visit www.cse.msu.edu/horizon for a link to the online donor recognition page.

The fund will help the department:
- continue to recruit world-class graduate and undergraduate students,
- obtain state-of-the-art equipment for innovative educational projects,
- enable the pursuit of high-reward/ high-risk startup ventures in undergraduate education,
- enhance opportunities in computer science education, research, and service.

"The department is building on a tradition of innovation," says Matt Mutka, CSE department chair. "We are working to solve problems that impact the quality of life in the modern world. The department has come a long way in 40 years, but where we go next will push the limits of human imagination. The Horizon Fund is a way to help the department with needed funding."

For additional information about the CSE Horizon Endowed Fund, or other giving opportunities, contact the College of Engineering Development Office by e-mail at egrdevel@egr.msu.edu, or by phone at 517-355-8339. ✺

Photo by Kelly Climer

Matt Mutka, left, and Kevin Ohl announce a new endowed fund at the 40th-anniversary celebration.

CSE at MSU: Celebrating 40 Years (continued from page 1)

department was one of the best in the country," said Ohl. "The department was focused on providing a foundational education, allowing students to understand concepts and theories, which in turn allowed them to solve problems by method as opposed to memory. This, both in the past as well as the present, has distinguished MSU CSE graduates from many of their peers at other schools." Ohl believes that the CSE department is positioning itself to continue its leadership trend. "It is building on previous successes in areas such as pattern recognition, software engineering, and robotics. Most notably, the department continues to build existing — and create new — strategic interdisciplinary thrusts that combine information systems with other functional areas, such as humanities, criminal justice, natural science, business, and medicine."

Ohl offered several challenges to those present at the celebration. He pointed out the decline of interest in math, science, and engineering, especially with women and minorities, and called it a major issue for the coming years. "I challenge each of you to become an ambassador not only for MSU and CSE, but also for the study of

science and engineering. Do what you can to evangelize the exciting things that are happening in the field of computer science."

Ohl also believes that the CSE department can — and will — play a part in the revitalization of the state and local economy. "Information systems are an integral part of virtually all walks of life today. MSU computer science graduates are in high demand and we need more of them."

The October 3 event included a panel discussion that covered a wide range of topics, including entrepreneurship in computer science and thoughts on what the next 40 years might bring. Panelists included John J. Forsyth; William Hamilton, co-founder and CEO of TechSmith Corporation; Harry G. Hedges; Qian Huang (PhD '94), an associate with McDermott Will & Emery LLP; Moti Jiandani (MS '81), co-founder and former CEO, SwitchOn Networks; and Carl B. Page, co-founder of e-groups and the son of former CSE computing pioneer Carl V. Page. George Stockman, CSE professor and associate chairperson, was the panel moderator.

Later, the participants had an opportunity to tour CSE facilities and labs, including the

Pattern Recognition and Image Processing (PRIP) Laboratory, the Embodied Intelligence Laboratory, the Media and Entertainment Technologies Laboratory, and the lab used for CSE 498 – the Collaborative Design capstone course. Student groups also had exhibits on display, and a number of students showed off their projects and research. Of course, no celebration is complete without refreshments and a cake. Chair Matt Mutka and College of Engineering dean Satish Udpa did the honors of cutting the 40th-anniversary cake.

Hans Lee and Lewis Greenburg, emeritus faculty, contributed historic information and photos, as did Pat Flynn, Bill Punch, George Stockman, Rich Wiggins, Academic Technology Services, and MSU Archives.

The celebration was sponsored by Fremont Associates LLC; Michigan State University Libraries, Computing & Technology; and Continental Automotive Group.

It all added up to the most successful event CSE has held. There was a lot of positive feedback. Here's to 40 more years! ❀

– Jane L. DePriest

Joining in the celebration . . .

David Gift (MS '80), left, vice provost for Libraries, Computing and Technology, and Thomas Davis, director of Academic Technology Services

Emma Rahme (left), a CSE student, and Kira Johns (BS '07)

Harry G. Hedges

Timothy Johnson, a CSE student, and Teresa VanderSloot, CSE academic adviser

Carol Rahimi (left), Gretchen and John J. Forsyth

Matt Mutka (left) and Satish Udpa

Alumni Pipeline

Moti Kishin Jiandani (MS '81) received the Computer Science and Engineering Distinguished Alumni Award at the annual College of Engineering Alumni Awards Banquet in May. Established in 2004, this award recognizes an alumnus who has distinguished himself/herself as a leader in the computer science and engineering profession.

Jiandani has had an impressive career in information technology, founding two successful companies. His first company, founded in 1991, was Sierra Atlantic, which provided engineering services to high-technology clients, such as 3Com, Oracle, Cisco, and Synopsys. In 1998, he founded and served as president and CEO of SwitchOn Networks, which began by providing engineering services to clients such as 3Com, Nortel, MMC Networks, and Cisco. Under Jiandani's leadership, the company pioneered the concept of high-speed content processing coprocessors. The company provided standard semiconductor and software components to the emerging market of content and policy-based networking, which enable applications such as QoS, Load Balancing, URL Switching, and VPN Firewalling at wire speed exceeding OC-48 speeds. The company's patented technology made it possible to build devices that are scalable in both performance and the number of policies they support. SwitchOn was acquired by PMC-Sierra in 2000 for $450 million, providing a 28-fold return to investors and shareholders in a short 10 months.

Jiandani earned a BS in electrical engineering at the University of Bombay in India (1978), and then earned his master's at MSU. After graduation, Jiandani worked for 10 years in software development and marketing for several California companies before starting his own companies.

His wife, Soni, is co-founder and vice president of marketing at Nuova Systems in San Jose, Calif.

Jiandani and his wife live with their teen-aged sons, Farid and Kabir, in Saratoga, Calif. For now

Jiandani is a full-time husband and father. He "keeps his hand in" by providing guidance and counsel to his friends and select companies on starting new high-tech ventures in Silicon Valley. Jiandani was recently on campus for the 40th-anniversary celebration of the CSE department.

Deepak Advani (BS '86), in photo above, carried the Olympic torch in Chong Qing, China, on June 16 as part of the activities for the 2008 Summer Olympics, which were held in Beijing, China, in August. Advani is senior vice president and chief marketing officer at Lenovo, a designer/manufacturer of PCs and other cutting-edge computer hardware and a provider of computing services. For the Summer Olympics, Lenovo gave the Beijing Organizing Committee more than 30,000 pieces of equipment, including desktop and notebook PCs, monitors, and servers.

Linda Lynch (BS'79) is president of KI Technology Group, an IT consulting firm in East Lansing, Mich. She also authors an IT blog that provides technology advice to small business owners.

Duncan Clarke (BS '86) is founder and director of Fremont Associates LLC, a consulting business that specializes in software project management and research to support the development of embedded systems. Fremont Associates was a sponsor for the MSU CSE 40th-anniversary celebration.

Roy C. Saper (BS '73) is celebrating the 30th anniversary of Saper Galleries in East Lansing, Mich. Opened in 1978, the gallery has received many awards, most related to innovations, such as the early use of computers and technology, "green" operating practices, and service to the arts and artists in Michigan. To celebrate the anniversary, there was an opening of the exhibition, "The Art of Dr. Seuss – Graphics and Sculpture," on November 2, 2008. Nearly 1,000 people attended the exhibit opening. To learn more about the exhibit and the gallery, visit http://www.sapergalleries.com/. ✿

Roy C. Saper (left) celebrates with his son, Jay, a senior at East Lansing High School, and his wife, Nell.

Homecoming Tailgate — October 4, 2008

Vandy Johnson (BS '82), left, and CSE chair Matt Mutka

April Noren (BS '07) with her father, Lawrence J. Noren III (BS '81 mechanical engineering)

Photos by Patrick T. Power

Faculty and Staff Pipeline

New Faculty

C. Titus Brown joined the CSE department and the Department of Microbiology and Molecular Genetics as an assistant professor. He earned his PhD ('06) in developmental molecular biology from the California Institute of Technology. He received a BA ('97) in Mathematics from Reed College. Prior to joining MSU, he worked as a postdoctoral researcher at California Institute of Technology. Brown is a member of the Python Software Foundation and an active contributor to the open source software community. His research interests include computational biology, bioinformatics, open source software development, and software engineering.

Brown is director of the laboratory for Genomics, Evolution, and Development (GED) at Michigan State University. The lab combines computation with more traditional biological experiments in order to gain new insights into the field of biology. GED intersects with a number of fields, including developmental biology, molecular biology, bioinformatics, regulatory genomics, and metagenomics.
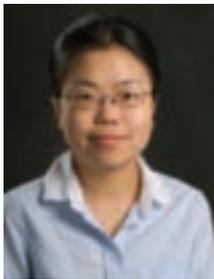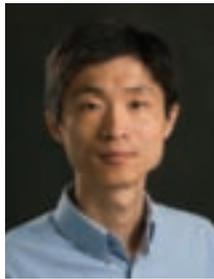
Yanni Sun is an assistant professor whose PhD ('08) is in computer science is from Washington University in St. Louis. She earned MS ('01) and BS ('98) degrees in computer science from Xi'an Jiaotong University. Sun's research interests are bioinformatics, computational biology, and developing algorithms and software to solve problems motivated by molecular biology. Her recent focus is efficient algorithms for discovering protein and noncoding RNA signals hidden in large-scale databases.

Yiying Tong is an assistant professor who earned his PhD ('04) in computer science from the University of Southern California. His MS and BS degrees in computer science were earned at Zhejiang University. He was a postdoctoral researcher at the California Institute of Technology and has been a research associate in the computer science and engineering department at Michigan State University this past year. His research uses geometric foundations and concepts to develop practical applications for areas such as medical imaging, visualization, biometrics, and medical simulation. His interests include computer animation, discrete differential geometry, and discrete geometric modeling.

Guoliang Xing, assistant professor, earned his DSc ('06) and MS ('03) in computer science from Washington University in St. Louis. He received a BS in electrical engineering and MS in computer science from Xi'an Jiaotong University in 1998 and 2001, respectively. Prior to joining MSU, he was an assistant professor of computer science at the City University of Hong Kong. His research interests include wireless sensor networks, mobile computing, and networked embedded systems.

Jain Receives Awards

Anil K. Jain, University Distinguished Professor, received the King-Sun Fu Prize from the International Association for Pattern Recognition. This biennial prize is given to a living person in recognition of an outstanding technical contribution to the field of pattern recognition. The award was presented December 8, 2008, at the 19th International Conference on Pattern Recognition in Tampa, Fla., where Jain delivered the King-Sun Fu Lecture.

Jain also has been awarded the IEEE Computer Society W. Wallace McDowell Award for his pioneering contributions to theory, technique and practice of pattern recognition, computer vision, and biometric recognition systems. Selection is based on outstanding technical accomplishment and achievement and is one of the highest technical awards made solely by the IEEE Computer Society. In addition, Jain recently won the IEEE International Conference on Data Mining (ICDM) Research Contributions Award. Jain accepted the award and delivered a lecture at the 2008 ICDM conference in Pisa, Italy, in December.

Research Funding

C. Titus Brown, assistant professor, and colleagues were awarded a grant through the United States Department of Agriculture National Research Initiative (NRI). The project is titled "Positional Candidate Genes for Resistance to Marek's Disease by Screening for Marek's Disease Virus Meq-regulated Genes." Hans Cheng (MSU Avian Disease and Oncology Laboratory, USDA, ARS) is the project's principal investigator. Hsing-Jien Kung (UC Davis Medical Center) is a co-PI. The award is through the USDA NRI Animal Genome program.

Philip McKinley and **Betty Cheng** have been awarded a three-year grant from the Army Research Office for a project titled, "AWARE: Adaptive Software Modeling and Dynamic Reconfiguration for Critical Infrastructure Protection." The project addresses the design of high-assurance, self-monitoring software to protect the nation's critical infrastructure (e.g., public utilities, transportation systems, telecommunication systems) against catastrophic failures and malicious activities.

Faculty and Staff Pipeline

Rong Jin (pictured), associate professor, and **Anil Jain**, University Distinguished Professor, have received a grant from the U.S. Army Research, Development and Engineering Command (RDECOM) for the project "Automatic Image and Video Annotation." Jin also recently received a research gift from NEC Laboratories America that will support his research on developing machine learning algorithms for analyzing large-scale social networks.

Matt Mutka, CSE professor and department chair, Ning Xi, ECE professor, Percy Pierre, ECE professor emeritus, and Patricia Farrel, specialist in MSU's Department of Educational Administraton, in collaboration with Howard University, have been awarded a new grant from the National Science Foundation. The project is entitled "CI-TEAM Demonstration Project for Real-Time Interactive and Collaborative Cyberinfrastructure for Teaching and Training of Hands-On Nano-technology." By using advances in Internet and robotics technology, this project will enable new and innovative methods of teaching and training university students and professional involved with nano-technology. People at different geographical locations may work or learn together to control a remote nano-manufacturing system or scientific instruments, based on haptic feedback in addition to video and audio.

The National Science Foundation Division of Undergraduate Education has awarded the MSU College of Engineering a $2.5 million grant to fund a collaborative effort between MSU and Lansing Community College. **Jon Sticklen**, CSE associate professor, is co-principal investigator. The five-year STEM Talent Expansion Program (STEP) grant supports efforts to increase the number of students completing programs and graduating with engineering degrees. "While we continue to get students in our college, we lose too many students before they graduate," says Sticklen. "Part of the reason is because we have not connected with students in the first year."

Yiying Tong, assistant professor, received a National Science Foundation (NSF) grant for the project "Collaborative Research: Geometric Time Integrators for Mechanical Dynamical Systems." The grant was awarded through the Dynamical Systems and Computational Mathematics Programs at the NSF Division of Civil, Mechanical and Manufacturing Innovation. The project is in collaboration with Eva Kanso, University of Southern California, and Mathieu Desbrun, California Institute of Technology.

Time integrators are crucial computational tools for studying nonlinear dynamical systems. The project aims to develop an infrastructure for predictive and high-order accurate simulations of fluid-mechanical systems. The project will combine modern applied geometry with computational mechanics. ✿

Student Pipeline

Photo by Harley J. Seeley

James Von Ehr (center) with CSE Von Ehr Scholars James Varchetti (left) and Tyler Gotch.

2008-2009 Von Ehr Scholars Named

Four freshman students have been named 2008-2009 Von Ehr Scholars. **Tyler Gotch**, Grand Rapids, Mich., and **James Varchetti**, Shelby Twp, Mich., are both majoring in computer science. The other scholars are **Gabriela Fratta**, Marshall, Mich., and **Danielle Vasko**, Livonia, Mich. They are majoring in chemical engineering.

The James Von Ehr Scholars Program was established in 2006 by James R. Von Ehr II, a 1972 computer science graduate and entrepreneur. The $1 million endowed scholarship fund benefits undergraduates of the College of Engineering.

Page Graduate Fellowship

Chad M. Byers, a first-year CSE PhD student, has been awarded the Carl V. Page Memorial Graduate Fellowship. Byers earned his bachelor's degree from DePauw University. He is pursuing research in harnessing digital evolution for software systems in the Software Engineering and Network Systems Laboratory under Professor Betty Cheng.

The Carl V. Page Memorial Graduate Fellowship was established in 1997 in memory of Carl V. Page, professor and founding member of the computer science department at Michigan State University. Recipients are selected on the basis of a demonstrated interest in and aptitude for computer science studies.

The fellowship honors Carl V. Page's contributions as a pioneer in computer science and his role in building a strong CSE graduate program at MSU. Page served as the first graduate director and had a critical role in promoting the department's research mission.

Richard Reid Fellowship

Sherri Goings, a dual-PhD student in CSE and Ecology, Evolutionary Biology and Behavior, has been awarded the Richard Reid Fellowship. Goings earned her BS in computer science from MSU in 2003, graduating with high

honors. She is the recipient of an MSU Quantitative Biology & Modeling Initiative Interdisciplinary Research Fellowship.

Goings is a member of the Digital Evolution Laboratory. Her research focuses on specialization and cooperation in artificial life ecosystems. Her CSE adviser is Charles Ofria.

She has served as graduate student representative to department meetings and is co-founder of the Computer Science and Engineering Graduate Student Association (CSEGA). Goings is currently an instructor for CSE 231, the introductory programming course.

The Richard Reid Scholarship/Fellowship Fund was established in 1998 in honor of Richard Reid, a long-standing professor of computer science and the founding director of the computer science program in 1965. It provides financial assistance to outstanding students in the computer science program.

Google's Summer Institute

Three CSE undergraduate students were among 17 selected to participate in the first-ever Computer Science Summer Institute (CSSI) at Google, which included two weeks of intense learning (33 classes), networking, and personal and professional exploration.

Dianna Kay, **Meryl Mabin**, and **Anthony Scales**, all sophomores in computer science, attended the all-expenses-paid CSSI at Google's headquarters in Mountain View, California, from August 3–15, 2008.

Photo courtesy of Google.

Anthony Scales (1), Dianna Kay (2), and Meryl Mabin (3) joined other students for Google's Summer Institute.

The goals of the program are:

- To enrich the skills of students early in their computer science (CS) studies in an effort to increase the pipeline into the CS major and/or boost retention in the major
- To provide a social and professional network for underrepresented populations (women, Hispanic, African-American, and/or Native-American students) in technology
- To empower students, giving them the tools, motivation, and confidence to continue with CS studies
- To show students daily life at Google and the amazing applications of CS that are taking place

Read more about the program on the Official Google Blog at http://googleblog.blogspot.com/2008/08/strengthening-study-of-computer-science.html.

Best Paper

Heather Goldsby, CSE doctoral student, received a Best Presentation/Paper Award for "Digital Evolution of Behavioral Models for Autonomic Systems" at the IEEE International Conference on Autonomic Computing. Authors of the paper in addition to Goldsby were CSE faculty Betty H. C. Cheng, Philip K. McKinley, and Charles Ofria, as well as David B. Knoester, a CSE PhD student and research assistant in the Digital Evolution Laboratory who also works for MSU Academic Technology Services.

ACM @ MSU

The MSU chapter of the Association for Computing Machinery (ACM) hosted a variety of events this fall including meetings where students talked about internship experiences, a Google TechTalk discussion, and a special presentation by Kurt DeMaagd, an assistant professor in the Department of Telecommunication, Information Studies, and Media. DeMaagd is the co-founder of Slashdot.org, and is a member of the board of directors of Perl Foundation. Fun events included a movie night, and a video game tournament.

The current ACM officers are **Steve Wakeford**, president; **Mark Schall**, vice president; **Gina Chernoby**, secretary; and **Andy Inman**, treasurer. More information about the group and a listing of upcoming activities is available at http://acm.msu.edu.

Google Summer of Code

Two computer science students, **Joshua Roys**, a senior, and **Zach Riggle**, a junior, participated in the Google Summer of Code (GSoC). This is a program designed to introduce university students to open source development. "Open source has become extremely important in the last 20 years as the Internet has grown and open source technology has matured," says C. Titus Brown, CSE assistant professor. Brown has been involved with GSoC for three years and is a member of the Python Software Foundation and represents Python as a mentor and organizer.

The GSoC encourages students to engage with open source projects by providing students with a summer salary to write code for various open source projects. "At the beginning of the summer, I had no knowledge of the Python programming language other than it existed, but by the end of the summer I had learned some of the more advanced things you can do with Python," says Riggle. "Like all open source communities, the Python Software Foundation is a close-knit group. If I ever had problems, the online community was helpful and could get me answers right away, which really facilitated the learning process." Riggle was involved in a project called One Laptop Per Child, which creates educational opportunities for the world's poorest children by providing them with low-cost, low-power laptops to promote self-learning. Riggle's mentor was Grig Gheorghiu, director of technology at RIS Technology in Los Angeles.

Roys worked on modifications to git, a programmer utility that is used on many open source projects including Linux.

In addition to his work with the Google project, Riggle attended an NSF Research Experience for Undergraduates (REU) at the University of Houston. "I am significantly more interested in computer science because of this experience," says Riggle who is now looking into study abroad opportunities and possibly continuing with graduate research after he receives his undergraduate degree. ❀

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NAME

STREET ADDRESS

CITY / STATE / ZIP   IS THIS A NEW ADDRESS? ☐ YES ☐ NO

OFFICE TELEPHONE   HOME TELEPHONE

E-MAIL

GRADUATION YEAR   DEGREE

CURRENT OCCUPATION

EMPLOYER   LOCATION

News of recent accomplishments, awards, or promotions (Use separate sheet if needed):

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Michigan Celebration of Women in Computing

Save the date! April 3 and 4, 2009, is the second Michigan Celebration of Women in Computing (MICWIC). This event, held biennially, is for anyone interested in learning about the rewards of careers in computing fields or in advancing technology through broader representation of women. There will be presentations, panel discussions, poster sessions, career exploration, and a career fair. Participants can learn more about career options in computing while networking with faculty, staff, and industry leaders. The event will be held at the Kellogg Biological Station, Hickory Corners, Mich.

The MSU Women in Computing (WIC) helped plan the first MICWIC conference in 2007. WIC members are volunteering to help with the 2009 conference and many of them plan to attend.

For more information about the MICWIC conference and to register, visit www.cse.msu.edu/micwic. ❋

Meghan McNeil, secretary for MSU WIC and a CSE undergrad, helped with the MSU WIC exhibit during the 40th-anniversary celebration.

Photo by Kelly Climer