Celebrating 175 R·I·T
EDUCATION EXPLORATION INNOVATION

·I·T news&events

Rochester Institute of Technology

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## Inside





# HAPPY HOLIDAYS

# $5 million pledge expands RIT scholarships

## *Commitment is largest pledge from an RIT alumnus*

An RIT alumnus and his wife are pledging $5 million to the university for engineering, engineering technology and computing scholarships. The bequest is the largest ever from an RIT alumnus to the university.

The commitment, from Charles and Andrea Volpe of Charleston, S.C., will expand the scholarship that bears their names to benefit additional students. Established in 2003, the scholarship, covering full tuition for four years, targets students from Red Jacket High School, Victor High School and Canandaigua High School.

*Andrea and Charles Volpe pledged $5 million for scholarships.*

Charles Volpe '59 (B.S. mechanical engineering), a 1954 graduate of Red Jacket High School and native of Manchester, N.Y., is the retired president and chief operating officer of KEMET Electronics Corp. in Simpsonville, S.C.

"My wife and I have been searching for a way to give something back to RIT and to my hometown, so offering engineering scholarships to RIT for students from Red Jacket, Victor and Canandaigua seemed to accomplish both of these goals," he says. "Our dream is that enough students will graduate through this scholarship that they, in turn, will see fit to individually or as a group of Volpe Scholars get together and give something back to RIT and to the hometown."

Currently, one RIT student is supported with a full scholarship. In

*Volpe pledge, page 6*

## A cross-country journey in celebration of RIT's 175th anniversary

Photo by Matthew Hartman

*Commemorating RIT's 175th anniversary, members of RIT's cross country relay team successfully completed the Coast-to-Coast Run. The event started in San Diego on Nov. 17. The run covered 13 states and four time zones and varied in terrain from sea level in California to more than 6,000 feet in the Rocky Mountains of Arizona. Pictured left, Chris Kudla, fourth-year mechanical engineering student, crosses a canal in California on Nov. 18. The runners completed the journey in 12 days, 3 hours and 48 minutes, beating the 1979 run by more than two days. The 1979 run, commemorating RIT's 150th anniversary, set a Guinness World Record. Runners kept the world updated on their progress at www.ritcoasttocoastrun.com. At right, a ceremonial run led by RIT President Albert Simone was held on campus Dec. 3.*

# RIT prof to study invasive species

*Amit Batabyal*

Economic damages from invasive or non-native species such as zebra mussels can cost millions of dollars. Regulating invasive species that enter the United States through the ballast waters of ships is a problem Amit Batabyal is trying to understand with the help of a U.S. Department of Agriculture grant.

Batabyal, Arthur J. Gosnell professor of economics in the College of Liberal Arts, won a $74,000 grant to apply economic theories to the problem of invasive species.

Batabyal hopes to derive a fresh perspective from queuing theory, the mathematical analysis of waiting lines. He will use it to focus on inspectors and ships entering U.S. ports. According to Batabyal, no one before has applied this theory to invasive species management problems.

Queuing theory will give Batabyal a theoretical framework to understand different scenarios, such as:

- The number of inspectors needed to check ships entering ports
- How many ships should be allowed in a particular port at one time
- The cost of making ships that wait to be inspected versus the cost of a biological invasion if ships are not inspected or are inadequately checked

"Queuing theory has many real world applications in areas where the U.S. agriculture department is encouraging research," Batabyal says. "It provides researchers with tools for modeling uncertainty. That's precisely what is needed because many real-world problems such as the management of invasive species involve decision making under uncertainty." ■

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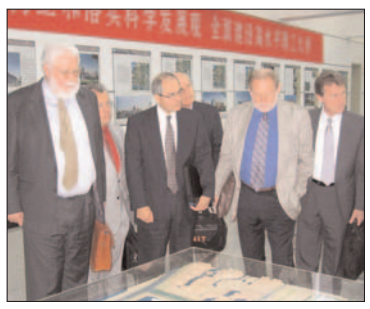
# RIT delegation visits China



*From left to right, Stan McKenzie, Jorge Díaz-Herrera, Nabil Nasr, Jim Miller, Wiley McKinzie and Harvey Palmer in China.*

A delegation from RIT visited China this fall in an ongoing effort to explore partnerships overseas.

The visit included trips to Tianjin University of Technology, Tianjin; the University of Shanghai for Science and Technology, and the Global Education Management Initiative Corporation in Suzhou.

The trip comes on the heels of the new RIT Strategic Plan. The plan's

*RIT delegation, page 8*

Celebrating 175

SPOTLIGHT ON

# College of Science

*Strong emphasis placed on scholarship, research and collaboration as College of Science evolves*

The College of Science is celebrating RIT's 175th anniversary with a special lecture series representing the growing intellectual climate within COS, extending beyond its classrooms and laboratories.

Visiting scholars will deliver lectures throughout the winter on topics including Einstein, the growth of black holes in the universe and the inner workings of the National Science Foundation. Earlier this month, author and astrophysicist Mario Livio gave the annual John Wiley Jones Distinguished Lecture in Science. Upcoming appearances will follow by such renowned scientists as physicists Jim Gates in January and Knox and Gabrielle Long in March.

"Many of the speakers we've invited are internationally known, and all will give very exciting talks," says Ian Gatley, dean of COS.

A gala event for COS faculty, staff, students and selected alumni will be held to further mark the college's 175th celebration. In addition, a timeline displayed in the COS atrium will record the college's development and its evolving role at RIT.

"We're very excited about the new strategic plan with its emphasis on scholarship," Gatley says. "We think it creates opportunities to learn by doing, which is a hallmark of an RIT education."

A strong research program is reshaping COS under Gatley's leadership with an emphasis on interdisciplinary and intercollegiate collaboration. Research efforts have blossomed in all departments from the remote sensing program in the Chester F. Carlson Center for Imaging Science to physics, bioinformatics and chemistry to mathematics and statistics, which, among other things, creatively challenges the way calculus can be taught.

According to Gatley, future growth in the college will likely come in the form

*Science spotlight, page 8*

*This aerial image of the RIT campus is a detail from a mosaic of 60 individual images taken by Jason Faulring, a system integration engineer in the Laboratory for Imaging Algorithms and Systems, part of the remote sensing group in the Chester F. Carlson Center for Imaging Science. Faulring flew over the campus five times at 4,000 feet to capture this image with a camera and sensor system developed for the U.S. Forest Service.*

# Photographers capture a piece of history on film

Limited electric. Hornets swarming. Drunken burglars trying to break in. Pieces of building blowing off in the wind. Steve Diehl, associate professor of imaging and photographic technology, and his wife, Vici Zaremba-Diehl '75 (photo illustration), faced these conditions as they documented the dilapidated state of the first permanent army hospital in the United States.

The Diehls shot documentary photographs of the disrepair. There is much history behind the Stone Hospital in Sackets Harbor, N.Y. that opened in 1838. The original architect is believed to be Robert Mills, who also designed the Washington Monument. And the Stone Hospital is where Samuel Guthrie administered chloroform as an anesthesia for the first time.

Using a 4 by 5 camera, the Diehls shot 48 different views of the building inside and out. They also photographed the interior of the building at night.

"Conditions were hazardous as the building is very unstable," says Steve Diehl. "Almost the entire west facade collapsed last year along with the north wing. As we photographed, you could hear building materials falling."

*Steve Diehl, associate professor of imaging and photographic technology, and Vici Zaremba-Diehl '75 (photo illustration) work on site in Sackets Harbor, N.Y. They shot documentary photographs of the first permanent army hospital in the United States.*

*Exterior shot of the hospital. The Diehls' photographs are part of a fund-raising effort by the Sackets Harbor Area Cultural Preservation Foundation to restore the building.*

Their detailed documentation was for the Sackets Harbor Area Cultural Preservation Foundation. The foundation is trying to raise $1.5 million to rehabilitate the structure. The Diehls' images have been sent to the state and the U.S. Library of Congress.

Once the photographs were shot, they hand processed the black and white film and printed the images on fiber based paper—an archival requirement by the U.S. Library of Congress, where the negatives and prints will be stored.

The couple gave up two weeks of their vacation and donated $14,000 dollars in photographic services.

"RIT supplied all the chemistry for the processing and printing," says Diehl. "This was very much a community project." ■

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# RIT alumnus takes engineering knowledge overseas

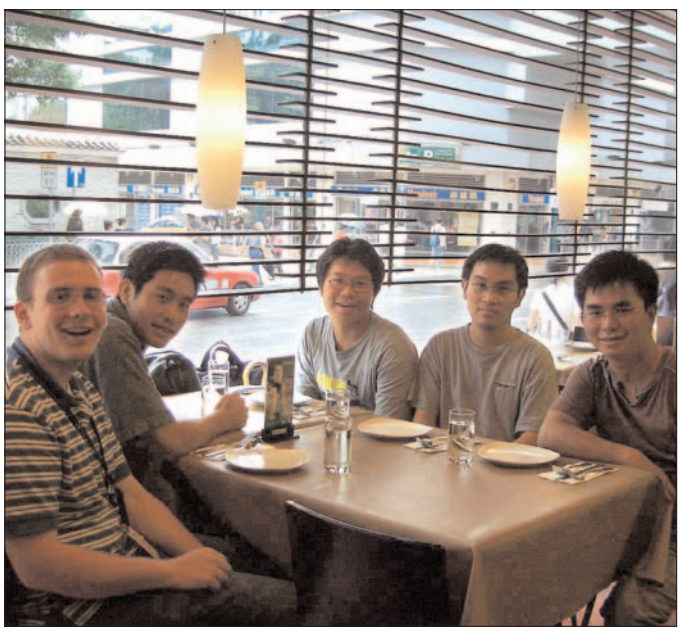
John Myers graduated from RIT at the end of the fall semester and hopes to one day come back as a professor. "I've already told some of the professors that I want to replace them when they are ready to retire," Myers says.

Myers, a software engineering major, already has a lot of experience teaching in a classroom. He spent two months during the summer training newly hired engineers in China through a co-op for Concord Camera. The 22-year-old taught engineers, some older than himself.

"I was nervous at first. I didn't know if I was going to be respected. Some of them had just graduated. I didn't even have a degree yet. Their skills augmented mine; they knew things I didn't know. There was no stepping on toes."

He trained approximately 20 engineers about the concepts behind writing software well.

"When a person gets a digital camera they almost always press buttons they are not supposed to, and hopefully the software doesn't crash and become useless. I tried to teach them procedures for testing, designing the software, writing documentation for other engineers to read—all the things RIT teaches you in the software engineering program."



*John Myers, recent graduate of RIT's software engineering program, left, and engineers from Concord Camera eating lunch in Hong Kong. Myers trained the engineers for two months during the summer.*

Myers worked in a factory that employed 5,000 people. He ate lunch with the factory workers on several occasions, took a Chinese name and learned Mandarin.

"They always giggled because my accent was pretty horrible, but at least I made the attempt."

He would travel from his apartment in Hong Kong to a town called Shenzhen. Myers would go by train and then get dropped off at the border between Hong Kong and China. After he went through customs, he would cross a bridge flanked by Hong Kong guards at one end and Chinese guards at the other—an experience he describes as "very surreal."

Myers journey to China was the first time in his life he had traveled out of the Eastern Time zone. Myers is also the first in his family to go to college. The Oneida, N.Y., native says he couldn't have found a better college and program for what he wants to do.

"I have a lot of school pride. I like a sense of connection. Five years is a long investment in something. If you don't have pride in the school and specifically the program, it becomes a boring five years. I've lost my voice at many hockey games."

Myers could also be found in the software engineering mentoring lab—a place where students go for review sessions, to study and socialize. He served as vice president of the Society of Software Engineers.

His days of hitting the books are not over. Myers plans to go to graduate school and would like to work for a government contractor. ■

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*The latest show runs through Dec. 11.*

# Illustrations at Gallery r

*Roger DeMuth is an obsessive "drawer" and all of his creations seem slightly deranged—*

*Rob Lee leads a team of designers who work with the National Football League—*

*Chad Grohman's list of high profile clients looks like a Who's Who of the rich and famous—*

*Doug Chayka illustrates children's books with the mindset and approach of a fine artist—*

Four illustrators—in different careers—all having the ability to draw.

"The underlying reason our illustration alumni are able to be employed by so many different specialty areas is their ability to draw," says Robert Dorsey, associate professor of illustration in the School of Art at RIT.

Dorsey is guest curator of the "Illustration Works: Four Alumni-School of Art Illustration Alumni Invitational" at Gallery r, RIT's student-run metro gallery on Park Avenue. The show continues through Dec. 11, with an opening reception scheduled from 7 to 9:30 p.m. on Friday, Dec. 10.

"The four RIT alumni that I have invited to exhibit are working examples of the versatile illustrator," Dorsey explains. "They are all examples of how good students become good professionals. It is also a credit to them that they have been able to move seamlessly into the digital world while maintaining the character and personal style of their art."

Gallery r is located at 775 Park Ave., and regular gallery hours are 3 to 7 p.m, Thursday to Sunday. For more information about the alumni illustration exhibition, call 242-9470 or visit www.galleryr.org. ■

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## The spirit of art

*Gillian Pederson-Krag, left, master printmaker, painter and teacher, talks with professor emeritus William Keyser Jr. about his painted sculptural forms. Pederson-Krag was a recent guest artist at RIT. Her paintings are in more than 20 museums and in many private collections. Her favorite medium is oil paint. Pederson-Krag's lectures focused on her work and the art world from a personal and spiritual perspective.*

# Being in the 'biz' is topic of photo talk

Throughout the school year, the School of Photographic Arts and Sciences' Charles Arnold Lecture Series brings speakers to RIT who offer a combination of talent, experience and insight. SPAS welcomes back six of its talented alumni to share insights about working in the business at 7 p.m. on Thursday, Jan. 6, in the Chester F. Carlson Center for Imaging Science auditorium.

The following alumni will take part: Roxy Erickson '01 (advertising photography), Chae Kihn '04 (MFA), Erika Larsen '97, '00 (BFA advertising photography, MFA computer graphics design), Paul Nisely '90 (photojournalism), Joe Schmelzer '95 (advertising photography) and Dan Shanken '97 (photojournalism). They will be part of a panel discussion moderated by Lisa Vasaturo, program coordinator in RIT's Office of Cooperative Education and Career Services.

Erickson, based in London, does a lot of photography for the music industry. Kihn, Larsen and Shanken work out of New York City. Kihn is the studio manager for photographer Mary Ellen Mark. Larsen is primarily an editorial photographer whose clients include *Time*, *Fortune* and *Sports Afield*. Shanken has photographed in Israel and a number of other international locations. Nisely is the photo editor of *The Sporting News* in St. Louis.

Schmelzer is based out of Los Angeles and is a commercial, editorial and fine art photographer.

On Friday, Jan. 7, there will be an exhibit opening at SPAS Gallery featuring the work of all six alumni. The exhibit runs through Jan. 23. SPAS Gallery is located on the third floor of the Frank E. Gannett Building. Regular hours are 9 a.m. to 5 p.m., Monday through Friday. ■

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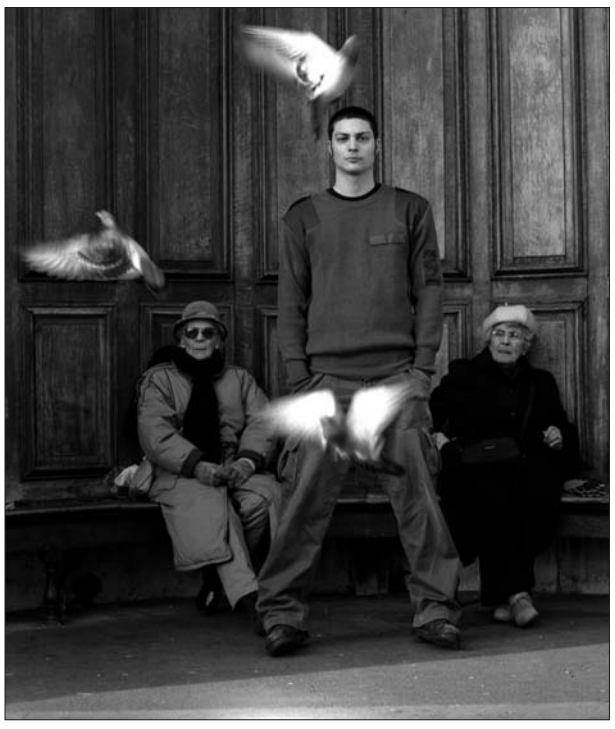

*Photograph taken by Roxy Erickson '01 (advertising photography)*

Celebrating 175

SPOTLIGHT ON

## College of Science

*Science alumnus makes his mark by being an integral part of a revolution*

*Lance Tyler*

Never has the pharmaceutical industry seen such a phenomenon. Pfizer Inc. created a whirlwind in 1998 with its launch of Viagra, the first prescription drug to treat erectile dysfunction.

Lance Tyler '90, '92 (B.S. biology, MBA) watched it all unfold from the inside. As a manager for Viagra's marketing team, Tyler played a key role in orchestrating its debut.

"No one could have envisioned Viagra being the cultural phenomenon that it became," he says, "certainly not when the molecule was discovered."

That's because the drug wasn't intended for the treatment for erectile dysfunction. Initial clinical trials explored its impact on angina—pain resulting from insufficient blood flow to the heart.

"When it became evident that it wasn't working and the trials were ended, the study coordinators had difficulty getting the study drug back from the participants," explains Tyler. "Despite many efforts, a number of men just wouldn't return the medicine."

These men unwittingly experienced Viagra's true potency. Their eventual admission to that fact led Pfizer's team to change direction on the clinical development process.

"Viagra was born," reflects Tyler.

Since then, about 16 million men worldwide have received prescriptions for Viagra. Tyler credits a market development strategy to legitimize erectile dysfunction as a medical condition and to remove the stigma associated with it. Messages targeted not only patients and managed care organizations, but also physicians who remained largely unfamiliar with treatments for sexual dysfunction.

"The importance of men's health, and the inclusion of sexual health within that, has been delivered through masculine and aspiring communication vehicles like NASCAR and Major League Baseball, and spokespeople like Bob Dole and Raphael Palmeiro."

A career in pharmaceuticals was not what Tyler had in mind entering the biology program in RIT's College of Science. He originally planned to attend medical school but later decided against its protracted educational requirements. It was his father, Phil Tyler, associate professor of marketing in RIT's College of Business, who suggested pursuing the business side of science and health.

"While this could have led to many different fields," says the younger Tyler, "the most interesting to me through this new lens was pharmaceuticals. Medicines have a very direct and profound impact on people's lives, and being a part of something that meaningful is very attractive."

With that perspective, Tyler has remained with Pfizer since joining the company in 1992. Initially, he spent four years in the field as a sales representative. That led to his first marketing role as a market analytics manager for Zithromax, followed by a remarkable three-year journey on the Viagra team. In 2001, he was appointed director of U.S. consumer marketing for Pfizer's COX-2 portfolio, which features Celebrex and Bextra brands for arthritis pain.

Today, Tyler serves as U.S marketing director for the anti-psychosis management team, a position he assumed in June. Admittedly, it's always difficult to step into new territory.

"But I'm a firm believer in the importance of expanding one's capabilities and value through putting yourself in unfamiliar environments. The Viagra experience was incredibly developmental, but to continue learning at the same or faster rate, you sometimes need to leave what's comfortable."

"Being able to speak the language and apply the knowledge makes me more valuable to our objectives than marketing colleagues who struggle with the scientific aspects of our business," he says.

Tyler's wife, Jennifer, is also a brand manager for Pfizer. ■

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# COLA offers new PR degree

RIT's College of Liberal Arts is offering a bachelor of science degree in advertising and public relations with a new approach reflecting today's media and communication needs.

The program is one of the few in the country to combine advertising, public relations and marketing in response to the growing influence of the Internet and the overlapping roles of public relations practitioner and advertiser.

The new major was formed through a close partnership between the department of communication in COLA and the department of marketing in the College of Business.

A senior thesis requirement and 20 weeks of work experience through internships and/or co-ops further distinguish the program from others.

Student interest influenced the development of the degree program, says Rudy Pugliese, associate professor of communication and coordinator of the communication and media technologies master's program.

"Much of this is driven by student demand," Pugliese says. "They kept asking us about advertising classes. It seemed like a missing part of the puzzle."

Bruce Austin, chair of RIT's communication department, points to an increasing demand for communication specialists.

"As new media for communication opens up they enhance the number of career opportunities for people in PR and communication departments. We're not abandoning traditional outlets, we're adding a new medium."

The department of communication will continue to offer its popular professional and technical communication BS/MBA program, though both Austin and Pugliese expect an initial migration to the new major.

"Advertising and public relations serve as a form of extension for students who seek to specialize," Austin says. "PTC provides for students a broad-based background in communication proficiency with emphasis on written and oral skills." ■

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# Events highlight GCCIS

The B. Thomas Golisano College of Computing and Information Sciences, will celebrate RIT's 175th anniversary in January. A "History of Computing" display will be featured in the Golisano College atrium. Special events include:

- Lecture by Sidney Marshall about the history of computing, 10:30 a.m., Jan. 5, Golisano College auditorium.
- Club Day, 1 p.m., Jan. 5, Golisano College atrium
- Movie Days, Jan. 10, 12, 24, 26, Golisano College auditorium; showtimes: 9-11 a.m., 11:30-1:30 p.m. and 2-4 p.m. Movies that relate to computing; animated feature films, dramas and comedies will be shown.
- Women in Computing Lecture, 12:30 p.m., Jan. 14, Golisano College auditorium.
- Computing Trade Show, 10 a.m.-3p.m., Jan. 19, Golisano College atrium
- *Computer Security*, 5 p.m., Jan. 20 and 21, Golisano College auditorium. The thespian talents of GCCIS faculty, staff and students take center stage in a comedy written by Richard Epstein and directed by Walter Wolf.
- GCCIS Conference on Computing and Information Sciences, 8:30 a.m.-7:30 p.m., Jan. 21, Golisano College auditorium and atrium. Call 475-7203 or e-mail daniel.stafford@rit.edu.
- Dean's Lecture Series, 1 p.m.-2:30 p.m., Jan. 21, Golisano College auditorium, featuring Ejovi Nuwere who will discuss cybersecurity and stopping hackers before they hit.
- GCCIS Coffeehouse, 7-9 p.m. Jan. 25, SAU Cafeteria, showcasing the talents of faculty and staff of GCCIS. ■


*Cybersecurity expert Ejovi Nuwere speaks Jan. 21.*

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## News briefs

### Bevier faculty show

Bevier Gallery is currently hosting the annual College of Imaging Arts and Sciences' "Faculty Exhibition" through Jan. 5. This exhibition showcases recent work by full and part-time RIT faculty members from the School of Art, School of Design and School for American Crafts. The show will be open during regular gallery hours. The gallery will be closed from Dec. 23 through Jan. 2. Call 475-7680 or 475-2646.

### Poster volunteers

The RIT United Way campaign is seeking members of the RIT community who have benefited from services provided by a United Way-funded agency to share their personal experiences for the United Way posters that will be going up around campus during the 2005 campaign.

Call 475-4958 or e-mail mlsgrl@rit.edu.

Part time studies forum

On Monday, Jan. 10, the Office of Graduate Enrollment Services will sponsor a graduate student open house for students interested in obtaining a master's degree on a full-time basis. The open house will be from 10 a.m. to 3 p.m. in the Bausch & Lomb Center. For more information or to register, call 475-2229.

### Outstanding women

RIT's student section of the Society of Women Engineers was honored as the Outstanding Student Section at the 2004 SWE National Conference, Oct. 14-16, in Milwaukee. RIT earned the award for the second consecutive year. About a dozen of the group's 51 members, accompanied by Margaret Anderson, assistant dean for student services in the Kate Gleason College of Engineering, attended the conference. In addition, two RIT students were part of a team that captured first place in a college-bowl-type question-and-answer competition. RIT's student section, celebrating its 25th year, is dedicated to promoting women in engineering and encouraging young women to consider an engineering education. Visit http://www.rit.edu/~sweeng/.

## Carving out stories

*Chris Chung was among 75 first-year students from the Schools of Art, Design, and American Crafts who made "Automata" or simple machines. The Automata projects were part of the 3-D design classes taught by professor Steve Loar. The students used power tools and wood to tell a story through these simple machines. Chung's Automata model was of a dog chasing after a man and pulling off his leg.*

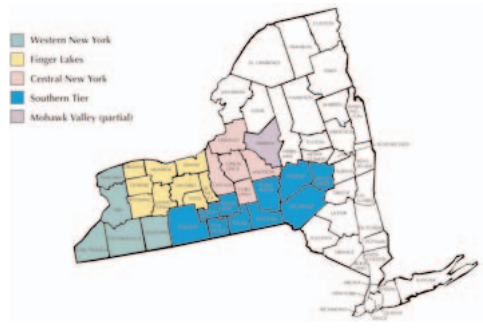
# Project helps manufacturing stay local

Capitalizing on the potential of industrial clusters may be critical to halting the decline of upstate New York's manufacturing base. That focus is driving an initiative spearheaded by RIT's Center for Integrated Manufacturing Studies.

CIMS has recently completed the initial phase of the Roadmap Initiative, an 18-month effort to develop strategic action plans, or road maps, to improve the competitiveness of regional manufacturing. This phase, funded by the New York State Office of Science, Technology and Academic Research, studied the materials processing, and industrial machinery and systems clusters in the nine-county Finger Lakes region.

A grant from the U.S. Department of Commerce is funding an expansion of this project, which is studying the materials processing, industrial machinery and systems, food processing, and optics and imaging clusters in counties across the Finger Lakes, central New York and southern tier regions.

Cluster theory, which focuses on groups of similar or related firms concentrated in a given region, is central to Roadmap. These firms share similar technology, inputs, infrastructure and workforces, and are supported by specialized universities and research institutions. By collaborating with each other and leveraging common cluster assets, cluster firms are able to more effectively innovate, compete and grow.




"RIT is very serious about assisting regional manufacturing," explains Nabil Nasr, CIMS director. "By harnessing the power of pre-existing assets, our research becomes a critical component of efforts to create new jobs."

The Roadmap methodology is unique because it heavily emphasizes direct work with regional firms. Detailed surveys and thorough on-site assessments are used to gather data on the internal operations of firms. This data is combined with extensive business environment benchmarking to form an understanding of the competitive challenges facing firms and how they are overcoming them.

Focus groups of participating firms and stakeholders from academia and government agencies are convened to begin developing strategic action plans based on the study findings. Though CIMS serves as a vital catalyst in this process, the objective is to develop credible, measurable plans that industry and the government can act upon.

Essential to Roadmap's success is the fifteen-member advisory board, consisting of leaders from manufacturing, business advocacy groups, academia and government. Participants include David Burns of the Gleason Corp., Michael Finney of Greater Rochester Enterprise, Doug Woods of Liberty Precision Industries, Kent Gardner of the Center for Governmental Research, and John Marshall of the U.S. Department of Commerce. ■

Paul Stella | pbscom@rit.edu

# RIT honors employees with Length of Service awards

*A supportive audience filled RIT's Fireside Lounge for the annual Length of Service reception, Oct. 5, honoring the dedication and longevity of campus employees. RIT President Albert Simone addressed the crowd that came to salute and celebrate those employees heralded for five, 10, 15, 20, 25, 30 and 35 years of service to RIT.*

*Following the Length of Service Reception, the 25-, 30- and 35- year employees attended a reception in the Fireside Lounge. The 25-year employees received prints by artist and retired RIT professor Eric Bellman; the 30-year employees received an Image 3 Crystal tiger by Jaffa; and the 35-year employees received the Majestic Tiger crystal statue by Lennox.*

*RIT's 35-year employees*

**35 Years**—Donald Baker, Gail Binder, Richard Chu, John Cox, Michael Kleper, Ann Nealon, Thomas Raco, Sheila Reasoner, Sarah Reynolds, Sandra Saari, Marvin Sachs, J. Wixson Smith, Fung-i Tseng, Andrea Walter

*RIT's 30-year employees*

**30 Years**—David Abbott, Richard Auburn, Sidney Barefoot, Dianne Bills, Joseph Bochner, Dominic Bozzelli, Carolyn Buntich, Frank Caccamise, B. Edward Cain, Gregory Connor, Kathleen Crandall, Barry Culhane, William DuBois, Monica Frantzen, Robert Gascon, Joseph Gianni, Merris Gibbs, Richard Green, William Hall, Roger Harnish, Gene Herbert, Ronald Jodoin, Guy Johnson, Liza Marshall, Wiley McKinzie, Craig Neal, Elizabeth Nolan Beal, Stephanie Polowe, Douglas Rea, Gail Rothman-Marshall, George Silver, Louis Spiotti Jr., Carl Spoto, John Sweeney, Daniel Tessoni, Brenda Whitehead, Robert Whitehead, Louis Woolever

**25 Years**—Wendy Benjamin, Robert Barbato, Eder Benati, Mark Benjamin, Gerald Berent, Jean Bondi-Wolcott, Sharon Brock, Paul Bufano, Dorothy Cerniglia, David Cronister, Richard Deckard, Carolyn DeHority, Jean Douthwright, Ellen Downes, Debra Fitts, Dianne Floeser, Paula Foster, Steven Good, Gordon Goodman, Daniel Gramlich, Paula Grcevic, Raymond Grosshans, Donna Gustina, Lawrence Harris, Nancy Heise, Karen Hopkins, Patricia Jamison, Joyce Kittles, Stephen Kurtz, Daniel Lawrence, Eugene Lenyk, Christine Licata, Edward Lincoln, Vern Lindberg, Peter Lutz, Linda Marsden, Janet Marventano, Katherine Mayberry, Lynn McGahey, Susan Mee, Richard Morales, Cynthia Mularz, Kathleen Ozminkowski, Sudhakar Paidy, David Pankow, Ila Parasnis, John Roman, Kathleen Routly, Donna Rubin, Jorge Samper, Rosemary Saur, Paul Seidel, Patricia Seidenberg, Scott Sevensma, Linda Siple, Richard Smith, Patricia Sorce, Marilyn Spampinato, Malcolm Spaull, Claudia Stata, Deborah Stendardi, Michael Steve, David Templeton, Ronald Till, Kay Turner, Barbara Vanvolkenburg, L. Alice White, Michael White, James Winter

**20 Years**—Walter Bankes, Beverly Bartlett, Maurino Bautista, Marie Bernard, Roy Berns, Carole Boudreau, Bradford Boynton, Peter Briggs, Martha Burris, Cathleen Chou, Sandra Chrysler, Sherry Clark, Marcos Cobo, Jo Cone, David Conyer, Linda Coppola, Louann Davies, Adelina Davin, Tracy Davis, Jann Firpo, Susan Foster, David French, Linda Fuller-Durfee, Nicole Gilbert, Barbara Giordano, John Grieco, James Hart, Mark Haven, Joseph Hornak, Linda Iacelli, Richard Israelson, Daniel Joseph, Mary Killion, Frank Kruppenbacher, Patricia Marini, Dianne Mau, Cheri McKee, Erhan Mergen, Susan Miller, Jonathan Millis, William Moore, William Osterman, Jeff Pelz, Kerry Phillips, Joseph Provenza, Stanislaw Radziszowski, Peter Reeb, Scott Roegner, Sidonie Roepke, Kathleen Ronnenberg, Robert Rothman, Nan Schaller, Evelyn Schermerhorn, Harry Schey, Nora Shannon, Timothy Smith, Paul Stiebitz, David Thelen, Panchapakesan Venkataraman, Randolph Vercauteren, Barbara Warth, Donna Welch, Edward Kenly White, George Zion

**15 Years**—Marylu Balacki, Karen Barrows, Donna Becker, Fredda Bishop, James Bodenstedt, Nicoletta Bruno, Witold Bujak, Troy Burgess, Joanne Catan, Cynthia Collward, Frank Coppola, Kim Corbett, Ellen Dallimore, James DeMarco, Sheryl deNormand, Colleen Desimone, Roberta DiNoto, Julie Dougherty, David Emlen, Patricia Falkenstein, Susan Fitzgerald, Laura Fleming, Vincent Frattle, Julia Fries, Paula Guadalupe, Charles Hall, Joette Hartman, Marie Haschmann, Brian Haygood, Virginia Hoffer, Jennifer Horak, Marilyn Houck, Phyllis Hunt, David Johnston, John Klofas, Julie Knopf, Seshavadhani Kumar, Andreas Langner, Miriam Lerner, Eileen Makepeace, Deborah Makowski, Eileen Marron, Teresa Merritt, Janet Miller, Phillip Moffitt, Keith Mousley, Nabil Nasr, Zoran Ninkov, Eric Northrup, Elizabeth Paciorek, Karen Pelc, Bruce Pemberton, C. Jane Pestke, Paul Petersen, Joann Polito, Jeffrey Porter, Joanne Redmore, Ashok Robin, Glenn Robinson, Johnny Roland, Mark Sager, Norman Sanders, Karen Sardisco, Carol Schmitz, Kathryn Schmitz, James Seeger, Cassandra Shellman, Alexander Sleeman, Rhonda Jo Sliker, Sheila Smith, Rosanne Stryker, Brian Terheyden, Sally Tysiac, Linda Ann Valint, John Violanti, William Wadeikis, Bruce Wenger, Angela Pagani Wiegand, Gina Williams, Helena York, Paula Zack, Janet Zandy, Edward Zinn, Joseph Zoda

**10 Years**—Catherine Berry, Michael Bice, Jean-Louis Bigourdan, David Bradstreet, Margaret Brennan, Scott Brown, Christopher Buyck, Elizabeth Caito, David Colwell, Ellen Cooper, Gina Coyne, Shirley Davis, Anne Difelice, Nicholas DiFonzo, Thalia Doctor, Nick Francesco, Debrah French, Jennifer Gates, Hamad Ghazle, Vivian Gifford, Latty Goodwin, William Hamilton, Christine Holmes, Margaret Johnson, Marie Johnson, C. Paul Johnston, Alan Kaminsky, Linda Keeney, Angela Kelly, Kevin Kochersberger, Patti Lachance, Bonnie Ladue, Dean Laury, John Macko, Louis Malucci, Mary Karol Matchett, Yvonne Mettler, Brenda Monahan, Christine Monikowski, Ethan Montag, Mark Morrison, Jacqueline Mozrall, Neil Nowatchik, Sonja Murray

**5 Years**—Christa Abugasea, William Ackley, Thomas Allston, Vincent Amuso, Joanne Bagley, David Ballard, Karen Black, Gary Blatto-Vallee, Michelle Blinnd, Georgianna Borgna, Julia Bourgeois, Margaret Brophy, Alfred Buck, Cheri Bunce, Alycia Burki, Michael Burns, Eric Canfield, Warren Carithers, Pamela Carmichael, Anthony Caschetta, Robin Cass, Laurie Chevallier, April Colaneri, Grant Cos, Jeffrey Cox, Twyla Cummings, Jerry Curnutt, Cynthia Davis, Sharon Davis, Michele Dermody, Robin Diana, Debora Dietz, Ann Dilal, Kathleen Dollinger-Meyer, Richard Drury, Theresa Eckerson, John Ettlie, Annette Fagan, Donald Farnsworth, William Finewood, Elizabeth Fiorica, Jeffery Flowerday, Franz Foltz, Maria Foran, Sonya Forbes, Joyce French, Julia Galloway, Daniel Garrison, Susan Gawlowicz, Jeannette Giagios, Ryan Giglia, Colleen Grabenstetter, Sally Graham, Anna Greenfield, Leslie Greer, Pamela Gurbacki, Therese Hannigan, Julie Hawk, Lawrence Hill, Keith Howard, James Hurny, Kingsley Isaacs Jr., Jonathan Jiras, Recca Karras, Joel Kastner, Johnny Killings, Kimberly Kitchin, Deirdre Kosky, Kristie Kress, Timothy Kubit, Michael Lacina, Robert LaFleur, Olga Lagares, Scott Lawrence, Susan Lewis, Janice Lighthouse, Mark Lindenmuth, Timothy Losey, Karen Lovecchio, Gary Maccarone, Catherine Mahrt-Washington, Tammy Marshall, Heather Mau, Cheryl Mawhiney, Meghan McDonald, Jane McGrath-Briggs, Beth Midavaine, Andrew Moore, Nancy Moore, William Morris, Janice Murray, James Myers, Joan Naturale, Laura Neale, Heidi Nickisher, Margaret Otis, Karen Pannoni, Andrew Phelps, Donald Piampiano, Sarah Pillittere, Brett Pokines, Barbara Polle, William Pope, Joseph Pow, Laurel Price Jones, Jennifer Prosceo, Stacey Prutsman, Ryne Raffaelle, Nina Gibson Raqueno, Jennifer Rivera, John Roche, Christine Rodgers, Jennifer Roeszies, Sandra Rothenberg, Michael Saffran, Beatris Santiago, Michael Savka, Darlene Scorse, Souphanh Senamountry, James Shanks, Stacy Siegel, Khamphanh Siphakongviseth, Mark Smith, Kenneth Snyder, Garfield Soman, Jean Spence-Peroni, Debra Spencer, Patrick Stein, Carol Stopka, Amy Jo Trager, Luther Troell, Lorrie Jo Turner, Scott Valentine, Catherine Valleroy, Frances Versace, Patricia Vicari, Betty Vickery, David Walter, Chad Weeden, John Wellin, Julie White, Nathaniel Williams, J. Wayne Wilson, Sandra Woodruff Whitmore, Clifford Wun, Joel Yates, Anthony Yazback, Timothy Yelder ■

*RIT's 25-year employees*

# Doing our part to move RIT from good to great

by Patty Spinelli

**Viewpoints**

This column presents opinions and ideas on issues relevant to higher education. We hope "Viewpoints" inspires discussion among the RIT community. To suggest an idea for the column, e-mail newsevents@rit.edu.

What an exciting time to be at RIT! It's a time of unprecedented growth and change. And as we move into the next phase of our strategic plan, we have much to celebrate.

To realize President Albert Simone's vision, we are moving from a good to great university. Much is riding on our ability to meet our challenges and achieve our goals. One goal of particular interest to me is the successful completion of our capital campaign, "Powered by the Future." As we move into the final phases of this campaign, I wish to reflect on what it means to me as a member of this community and to lend my support in encouraging everyone to participate by making a donation.

Everyday there are demands made on our disposable income. They can range from requests for spare change during a charity collection to replacing the car's brakes. Some of these decisions are necessity; some are nice to do. For me, the campaign is both.

It is not the amount of the gift; it is the impact it has on our community. Our students, the RIT Board of Trustees and the giving community at large are aware of the power of our gift and recognize the sacrifice of giving. For some of us, the donation may be relatively small, but no gift is insignificant. All you have to do is look to the results of the scholarship initiative in Facilities Management Services. Collectively they have been able to pool their resources and create a scholarship in excess of $100,000.

Provost Stan McKenzie's generosity resulted in a commitment of $1.4 million dollars. Think of the impact this will have on the future. When we give as a community, we are saying to the larger community, "Look at us, see our pride, and support us." It is far easier to ask an outside donor for a gift when we can say with pride that we are giving as well. If we believe in our future, they will too.

Another compelling reason for me personally to support the campaign is that I have been the recipient of RIT tuition scholarship benefits. More than 900 of us—faculty and staff—have had the benefit of an RIT education. Over the years, thousands of our children, spouses and partners have graduated from RIT. These scholarships are just one of the many benefits that RIT offers to our community.

While these are considered employee benefits, it is clear to me that these scholarships are tangible reminders of one of the major reasons we are here—the power and benefits of education that enrich the quality of our lives. It allows us to experience the camaraderie of others in a learning environment and achieve our goals of quality career options and opportunities.

For me, the campaign is about the value of education. While an individual's ability to give financially may be limited, it is important for RIT to make education more accessible to greater numbers of students through increased level and support of scholarship funds. Sometimes the ability to stay in school depends on the last few dollars—money for books, rent deposit, and so on. Increased scholarship support helps to remove those barriers. Your donation, large or small, makes a difference.

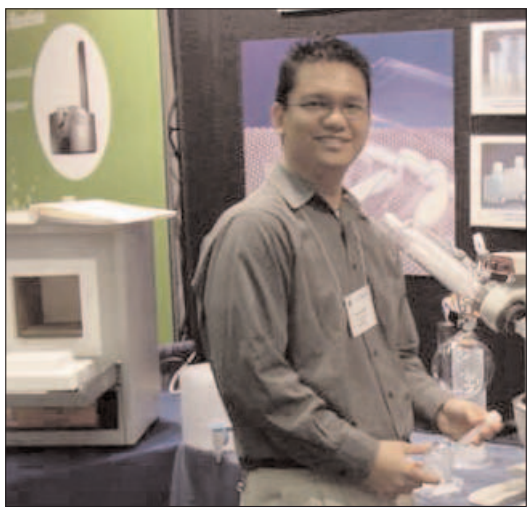
I consider my association with RIT to be the most personally and professionally rewarding of my career. My colleagues are the finest in the world, and we are fortunate to be in service to each other and to our students. The results of our giving allow RIT to further achieve the objectives of the campaign: investing in students, recruiting and retaining top faculty, supporting applied research and learning, reinventing the campus and building a fund for the future. Hopefully each of us can relate to what this means to the programs we support and duties we perform.

I would be remiss not to express my appreciation to Larry Winnie and Kathy Carcaci, our faculty and staff campaign chairs. Through their leadership, we have had very generous giving. To date, more than half of our community has participated in the campaign. For that, I say THANK YOU.

*Spinelli is director of RIT's human resources department.*

To find out more about supporting "Powered by the Future," contact RIT's Office of Development at 475-5500.

# Future scientists enlightened at professional conference



*Laboratory science technology student Eduardo Palabrica checks out the latest equipment at the American Chemical Society's regional trade show held recently.*

Some 40 deaf and hard-of hearing science students were able to attend the Northeast Regional Meeting of the American Chemical Society held in Rochester this fall.

Thanks to a $500 Interactive Learning Grant from Mary-Beth Cooper, RIT vice president for student affairs, a $1,000 grant from the Chemist with Disabilities committee of the American Chemical Society, $500 from Northeast Regional Meeting of ACM and $1,000 from an anonymous donor, the students, interpreters and faculty were able to attend.

"This conference provided a mechanism for deaf and hard-of-hearing professionals and future professionals to gather and share experiences, advice, and questions about their field," says Todd Pagano, professor in NTID's laboratory science technology program. "The students got a taste of all of the resources, benefits, and professional development opportunities that a professional organization like the ACS has to offer."

Jennifer Buckley, a biology major, and Jingjing Pan, a chemistry major, presented the work they did last summer conducting polymer-based nanocomposites research at Tufts University in Medford, Mass., which was part of a National Science Foundation-funded grant program.

Anita Kurian, an LST student from Morris Plains, N.J., said she learned a lot about scientists with disabilities.

"It taught me not to give up my goal to become a biotechnologist," she says. "I met a deaf scientist, which was an amazing experience because I never met a deaf scientist before and had a nice conversation with him."

The students attended a session about careers for chemical professionals and were joined by ACS affiliated visitors as they perused the conference exposition, which consisted of vendor booths, professional development displays and research posters. Faculty and interpreters accompanied the students throughout the day. The students also attended a "Managing an Effective Job Search" workshop, where they learned tips about résumés, cover letters, career resources and job searches.

"I learned how deaf people, like myself, can become scientists," says LST student Jake Canter of West Middlesex, Pa. "I also learned how to seek jobs in the science field and I met a lot of well respected chemists from all over the United States. It was a fun and moving experience, it made me feel like I was already a scientist, but I'm still a student."

"The insights and knowledge the students gained will prove to be invaluable," says Vincent Daniele, chairperson, NTID science and mathematics. "The excitement from the meeting carried through an entire week of discussion and reflection. Our gratitude goes to Mary Beth Cooper, to the CWD, and to our anonymous donor for making this valuable experience happen for our students." ■

Karen Black | kebnmr@rit.edu

# RIT shines on Top 100 list

RIT's ties to the Rochester area business community are numerous and strong, and this year's list of the Rochester Top 100 companies illustrates that fact. Leaders of 13 of the Rochester Top 100 companies—including the No. 1 firm on the list—are RIT graduates. In addition, one top executive is a member of the RIT Board of Trustees.

The Rochester Top 100 ranks privately held companies based on revenue growth for the last three years. The listing is sponsored by Rochester Business Alliance and KPMG LLP.

RIT's connections include:

Emmanuel "Manny" Marcano '82 (electrical engineering technology), CEO and president of EMA Design Automation Inc., ranked No. 1.

Gregg Coughlin '77 (MBA), president of GRIPA, an integrated health care network ranked No. 3.

Philip C. Gelsomino II '86 (business), CEO of The Restaurant Group, No. 6 on the list.

Mike Fennessy '82 (electrical engineering) and Dave Kostick '75 (electrical engineering), co-CEOs of Great Lakes Controls of New York LLC ranked No. 27.

Sharon Napier '04 (M.S., hospitality and service management), president and CEO of Parners + Napier ranked No. 31.

Mark Redding '86 (computer science), president of Impact Technologies ranked No. 42.

John Costello '75 (MBA), president of Eagle Construction Co. ranked No. 45.

Beverly Finnerty '85 (continuing education), president of R.D.U. Inc. ranked No. 48.

Ronald Ricotta '79 (business), president and CEO of Century Mold Co. Inc., ranked No. 53.

Herbert Besaw '85 (business), president and CEO of Spoon Exhibit Services Inc., ranked No. 55.

Lorraine Ellis '93 (MBA), president and CEO of Research Dynamics Consulting Group Ltd., ranked No. 56.

Chris Bonacci '92 (continuing education), co-owner of Advanced Interconnect Manufacturing Inc. ranked No. 58.

Lou Germain '93 (business), CEO of Lumarc Computer Corp. ranked No. 64.

Thomas Judson Jr., member of the RIT Board of Trustees, chairman and CEO of The Pike Co. ranked No. 82. ■

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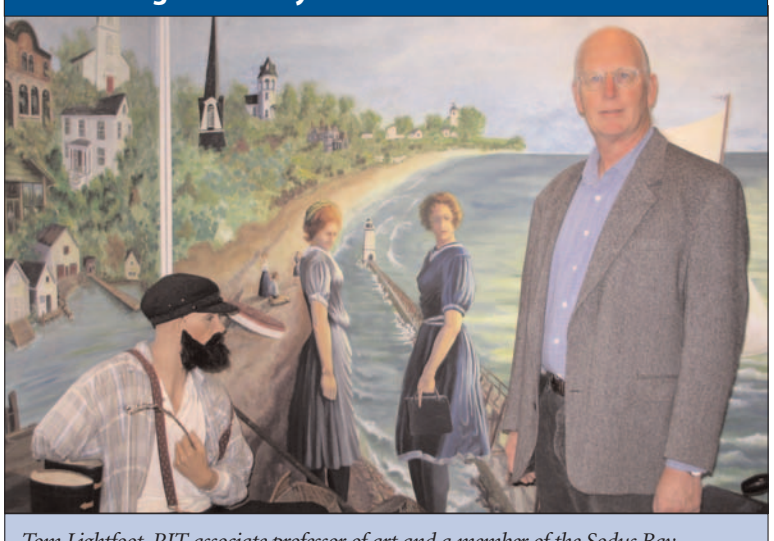
## Canvassing Sodus Bay at the end of the 1800s



*Tom Lightfoot, RIT associate professor of art and a member of the Sodus Bay Historical Society, took a two-month journey back in time to the Sodus Bay area, circa 1890. Lightfoot painted a 30-foot long mural capturing various scenes and historic buildings. It's on display at the historical society's Lighthouse Museum.*

## News briefs

### Formula racing results

RIT's Formula racing team captured fifth place in the Formula SAE Australasia, Dec. 2-5 at Victoria University Driver Training Facility outside Melbourne, Australia. RIT, making its fifth consecutive appearance in the annual event, was one of only two teams from the United States among two-dozen schools participating in the contest. Team members were accompanied by their advisor, Alan Nye, RIT professor of mechanical engineering.RIT captured first place in the 2001 Formula SAE Australasia. The event is sponsored by SAE-Australasia, Holden Ltd., Ford Motor Co., Toyota Motor Corp. and Mitsubishi Motors Corp.

For more information on RIT's Formula team, visit http://www.rit.edu/~formula.

### Equipment grant

RIT has received a $9,500 grant from the Alcoa Foundation through its subsidiary, Southern Graphic Systems. The grant money will help purchase print technology-testing equipment for approximately 120 students to utilize each year in RIT's School for Print Media.

The equipment will be part of a new laboratory where students will receive hands-on learning. This equipment will provide another learning tool for the courses, Material and Processes I and II. The courses, which are currently lecture-based, teach students the fundamentals of substrates, inks and printing processes. Because of this grant money, the courses will become laboratory centered.

### Athenaeum open house

The RIT Athenaeum, located at 30 Fairwood Drive, is offering a wide-range of winter classes for adults over 50. Course genres range from the arts, literature, sciences, history and government to culinary adventures, scrapbook poetry and second guessing the Academy Awards.

The 2005 winter series begins with a preview session from 2 to 3:30 p.m. on Jan. 10 and 12. The Athenaeum is also hosting a weeklong open house from 9:30 a.m. to 3 p.m. on Jan. 17 through Jan. 20. Participants planning to stay the day are welcome to bring a brown-bag lunch.

During these two events, members and newcomers are welcome to participate in as many classes as they wish. To help plan for adequate seating, call 292-8989 or visit www.rit.edu/athenaeum.

### Online excellence

RIT's Department of Online Learning was recently nominated by Jim Myers, director of the Center for Multidisciplinary Studies, for the 2004 eBusiness Executive of the Year Team award for its work in creating an online evaluation tool for distance courses.

### Get your bracelets here

Purchase an orange spiRIT bracelet to support The Golisano Children's Hospital at Strong Memorial Hospital and to show your pride in RIT.

Bracelets are now available at the Student Alumni Union candy counter for $1.

Bracelets make great stocking stuffers. Supplies are limited.

# RIT scientist shares 'insight' on visual perception

The Visual Perception Laboratory in the Chester F. Carlson Center for Imaging Science has become a hub of research collaborations across campus.

What motivates Jeff Pelz, director of the Visual Perception Laboratory, and his colleagues is the incredibly complicated question of how we use our eyes to perceive the world.

The means of collecting data to answer those questions were until recently rooted in artificial laboratory settings. Pelz argues that those experiments tell scientists little about how people use their eyes in daily life.

"The overarching question is how much of what we learn in the laboratory can we extend to the real world?" Pelz asks.

New technology in the Visual Perception Laboratory is helping answer those questions. At the heart of Pelz's lab in the College of Science is the wearable eye tracker, now in its third generation. This piece of equipment and its immediate predecessor have opened up new possibilities for research unavailable elsewhere.

The wearable eye tracker extends the laboratory to the real world by recording what people look at and how their eyes move as they perform a specified task. In other words, the device tracks what people pay attention to in order to gather information and how eye movements support everyday perception.

The second-generation tracker performs on-line processing in real time to track the subject's eye position within an indoor setting not confined to the laboratory. The recently developed third-generation eye tracker takes the research outside under low-light conditions, but trades real-time processing for more portable equipment.

*Jeff Pelz and Mary Ellen Arndt demonstrate the wearable eye tracker in the Visual Perception Laboratory in the Chester F. Carlson Center for Imaging Science.*

Developing wearable eye tracking technology has long been one of Pelz's goals. His own research received a boost from the U.S. Naval Research Laboratory, which established a cooperative agreement with Pelz's lab to develop the wearable eye-tracking technology. One goal of that project is to study how people locate difficult-to-find objects in natural scenes.

Close to accomplishing their goal, Pelz and Jason Babcock '00, '02 (B.S. imaging and photographic technology, M.S. color science) have created a lightweight device that fits easily into a backpack and can be worn outdoors.

In addition to Pelz's work with the Navy, the equipment has led to a variety of research projects for Pelz and his students, such as collaboration with Marc Marschark and Carol Convertino of NTID. This project, funded by the National Science Foundation and now in its second year, uses eye tracking with hearing and deaf students in a simulated classroom. The study seeks to understand how deaf students divide their attention between instructor, interpreter and a graphic display. Mary Ellen Arndt, a graduate student in information technology with a concentration in human-computer interaction, took the lead in collecting and analyzing the large amount of data collected for that project.

Pelz and his students are also conducting basic research with CIS graduate Constantine Rothkopf, now a doctoral student at the University of Rochester. This project uses the wearable eye tracker to model how people navigate and search for objects in complex natural scenes. A better understanding of how humans behave in the real world can help computer scientists develop "computer vision" for robotic vision systems.

In the newest incarnation of the wearable eye tracker, Pelz and imaging science undergraduate Steve Broskey are using a binocular tracker that monitors both eyes to study how people move their eyes together to explore the third dimension.

"By tracking both eyes, we can measure the angle between them and calculate how far away they are looking," Pelz says. "This lets us identify the point in 3D space where they are paying attention instead of just in the 2D direction."

"We've learned a huge amount in the lab about what the visual system can do," Pelz adds. "Now we're beginning to learn what the visual system does in the real world." ■

Susan Gawlowicz | smguns@rit.edu

Lord Dragonfly Chair *by Wendell Castle*

# Castle works now at MAG

Wendell Castle teases the mind as well as the eye with his playful and riveting works of art—ranging from functional furniture to clocks, lamps, humidors and sculpture. He is noted for his examples of trompe-l'oeil, a French term that means "fools the eye."

During the past four decades, Castle has built a reputation as an artist who defies convention. Castle has also been actively involved within RIT's College of Imaging Arts and Sciences—as a teacher for nine years in the 1960s and artist-in-residence in the School for American Crafts since 1984.

The Memorial Art Gallery will celebrate his career with an exhibition, "Wendell Castle in Rochester," which opened Dec. 8. Included are nine works from the gallery's permanent collection, plus four works on loan from the artist. Also on view are preliminary drawings and photos of some of Castle's large-scale commissions.

Throughout his career, Castle has shared his woodworking skills with RIT students. He says, "It's the perfect fit because my Scottsville studio is close enough to campus so students can visit and watch me work. That's the best way to learn."

Castle is scheduled to talk at the Memorial Art Gallery at 7 p.m., Jan. 13. The cost is $2. ■

Marcia Morphy | mpmuns@rit.edu

# CIMS defense research earns national recognition

RIT technology destined to enhance the readiness and efficiency of America's military has been formally recognized by the National Center for Advanced Technologies.

RIT's Center for Integrated Manufacturing Studies is winner of the 2004 NCAT Defense Manufacturing Excellence Award. The honor, given annually for outstanding contributions in furthering defense manufacturing science and technology, was presented Nov. 30 in Las Vegas.

*A Marine Corp LAV housed in a CIMS laboratory was used to highlight the "smart sensors" technology during a demonstration on campus in August.*

CIMS researchers have been working with Delphi Corp. on a $3 million "smart sensors" initiative. These sensors, activated on U.S. Marine Corps light armored vehicles, provide military commanders with vehicle-performance information from a remote location—such as a battlefield—using wireless transmission.

The program was highlighted during a live demonstration on campus in August and at the Department of Defense Maintenance Symposium and Exhibition in Houston two months later.

"The Marine Corps has expressed tremendous excitement with the development of these new technologies and the benefits that result from bringing them all together," explains Nabil Nasr, CIMS director. "The LAV project team has done that, and they have done it well."

The CIMS research team initiated this program to assist the Department of Defense in developing new sustainable design strategies that extend the life cycle of existing military systems. Delphi Corp. provided advanced sensors that were integrated into RIT's mesh of hardware and software vehicle support systems.

This month, marines stationed at Camp Pendleton, Calif., will have an opportunity to test the system first-hand. The Marine Corps is expected to fully implement the technology over the next five years. ■

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# Volpe pledge

*from page 1*

addition, the Volpes recently gave a $5,000 grant to a fourth-year RIT engineering major to financially assist her in final-quarter studies.

"We are grateful for the continued generous support for RIT scholarships from Chuck and Andrea Volpe," says RIT President Albert Simone. "In keeping with their vision of giving back to the community and directly affecting students' lives, it is the students who are the ultimate beneficiaries of the Volpes' altruism."

The couple also recently pledged a matching grant to help launch a FIRST robotics team at Red Jacket High School. FIRST—For Inspiration and Recognition of Science and Technology—sponsors regional robotics competitions throughout the United States and an annual national competition. For the first time, RIT will host a regional competition next spring. The event is expected to draw up to 40 high school teams from across the Northeast for competition, March 3-5, in RIT's Gordon Field House and Activities Center. Red Jacket secured initial funding of $6,000 from NASA, assuring receipt of an additional $6,000 from the Volpes.

"I thought FIRST would be the perfect vehicle to stimulate interest in engineering with the students at Red Jacket," says Charles Volpe. "I offered a matching gift to get the ball rolling and because I believe it is important for the local community to get involved and to help raise the remaining funds."

Earlier this year, Volpe was named a founding member of RIT's Mechanical Engineering Alumni Academy. ■

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# Addition to print media school

## *Gravure research library opens in the spring*

RIT's internationally recognized School of Print Media will be home to a gravure research library, an invaluable resource for students and faculty studying gravure-related technologies.

To support the research initiative, Gravure Association of America and Gravure Education Foundation have donated their library collections to RIT. The official opening of the research library will be a highlight of the 2005 RIT Gravure Day, April 5.

Among the library collections are proceedings from Gravure Research Institute, Gravure Technical Association, Technical Association of the Graphic Arts, and Technical Association of Paper and Pulp Industries. The 1918 edition of *The New York Times* Sunday supplement, printed by rotogravure, is also in the collection.

Gravure is a printing process that involves engraving or etching.

"The research library represents a body of important knowledge pertaining to gravure technology and its development," explains Robert Chung, Gravure Research Professor at RIT's School of Print Media. "The presence of the library differentiates and further enhances RIT as a preeminent institution in print media education."

And GEF is excited about the placement of the gravure library collection at RIT.

"It is our hope that students will take advantage of these new resources and use them as a starting point for their in-depth gravure research projects," says Laura Wayland-Smith Hatch, executive director of Gravure Education Foundation. "We also hope that the gravure industry will use the new Gravure Research library, visit the campus, and learn more about the research opportunities RIT has to offer as a GEF Gravure Resource Center." ■

Kelly Downs | kaduns@rit.edu

## Brinkman Lab gets state-of-the-art machine tools

*Giovanni Principe, an engineer with DMG America Inc., far right, demonstrates a machine tool to Pat Derleth, far left, and Rohan Sicard, both of East Side Machine Inc., in RIT's Brinkman Manufacturing Lab in the Center for Integrated Manufacturing Studies. DMG representatives visited RIT for an open house commemorating the company's equipment consignment and new partnership with RIT. "This equipment provides RIT engineering students an opportunity to better prepare themselves for today's employment marketplace, additional visibility for RIT as a result of manufacturers from throughout New York state coming to the machine lab, and an opportunity for manufacturers to better compete in today's ever-challenging machining marketplace," says Don Miller, DMG area sales manager for western New York.*

# These are the times that will shape your lives

Viewpoints

by Eric Majewicz

This column presents opinions and ideas on issues relevant to higher education. We hope "Viewpoints" inspires discussion among the RIT community. To suggest an idea for the column, e-mail newsevents@rit.edu.

One of the most exciting opportunities in college is to be able to watch yourself change as new experiences influence both your personal and career direction. While a multitude of experiences will contribute to your development, most likely a small subset will stand out as the most significant. These are the events that will be crucial to your discovery. Looking at my college experience, I can recall three distinct events that had such an impact.

In the spring of my freshman year, I joined Phi Sigma Pi National Honor Fraternity. Shortly after becoming a brother, I had the opportunity to participate in a very significant event.

After 9/11 occurred, our fraternity went to Washington, D.C. to help the Red Cross receive and distribute donations for the victims of the attack. Watching people arrive at the Red Cross with Ryder trucks full of donations and being part of the hundreds of volunteers who sorted and distributed food and clothing gave me an amazing sense of the strength and leadership that exists within our country. These volunteers were the leaders of their communities, the ones who refused to remain powerless after such events.

Being a part of this group had a significant impact on my development as a leader.

Becoming a leader in my community became a priority after I was elected Kate Gleason College of Engineering Senator for Student Government. The position requires constant attention to the needs of my constituents so that I can make the engineering experience better for students. It has been an amazing opportunity to be able to contribute to this community of such intelligent and dedicated students. Interacting with these students has taught me an incredible amount about leadership and dedication to one's career.
Just as important as leadership development is that of career development.

Connecting with a faculty member can provide a vast amount of career information, which I have learned by working with Chance Glenn, a professor in the telecommunications engineering technology program. Professor Glenn has allowed me to learn about entrepreneurship by doing a co-op with his company, Syncrodyne Systems, in the RIT incubator, by being part of his research team in the Laboratory for Advanced Communications Technology and by doing an independent study on digital audio compression. This experience has played a major role in shaping my interests and career direction.

These are just a few of the many events and individuals who have had a significant impact on me. Working with Robin Diana and the Orientation Program for the last three years and Harvey Palmer and Eileen Fishman in the engineering student services office on the concerns of engineering students were also important experiences.

I encourage all students to go and explore the opportunities that are available here at RIT, as these will be the most crucial experiences that you will have towards navigating your way to a wildly successful future.

*Majewicz is a Student Government senator representing the Kate Gleason College of Engineering.*

# Finnerty earns '40 under 40'

*Bob Finnerty*

Robert Finnerty, RIT's chief communications officer, was recently selected one of Rochester's 40 Under 40 winners by the Rochester Business Journal.

Finnerty, who has been with RIT for three years, previously worked as metro editor for the Rochester Democrat and Chronicle.

"Bob is among a very prestigious list of honorees, and we are delighted to see him receive this well deserved recognition," says Deborah Standardi, associate vice president for government and community relations.

"I wouldn't have been able to achieve this honor without the support of great people—from my past and current co-workers to my wonderful family," adds Finnerty. ■

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## It's a matter of speaking

*Finalists of the 16th annual fall public speaking contest delivered informative arguments about nanotechnology, cochlear implants and techniques in knee surgery to illustrate the impact of technology on society. Shown above, Jazzy Jones, second-place winner, stands with Jonathan Bove, first-place winner, Mike Ciuffetelli, third-place winner, and Grant Cos, professor of communication and public speaking contest coordinator. The event was sponsored by RIT's communication department and the College of Liberal Arts.*

# Grant funds resiliency study

The Teaching Learning Center is examining the resiliency of RIT students. The center recently received a $43,000 Perkins III grant to provide training that will address making students more resilient to adversity and inclined to persist and graduate from RIT.

"More than 30 years of research have proven that, more than education level, experience or training, it is a person's thinking style that determines whether he or she succeeds or fails," says Lynn Wild, assistant provost, Teaching and Learning Services. "A resilient thinking style is the greatest predictor of success. A critical variable in attaining new skills—in developing our students—is their ability to be optimistic and persistent. How do we help students stay focused and continue to believe in what they are doing when they are unable to see any growth on the surface or experience failure?"

Given the mounting challenges, complexity, uncertainty and demands placed upon today's students, it is understood that their ability to respond effectively to adversity will play a pivotal role in their resilience, effectiveness, performance and success, Wild says.

In November, 73 students and 24 faculty/staff participated in a pilot program conducted by Peak Learning Inc. The customized program incorporated technology, methodology and tools provided in the book, Adversity Quotient: Turning Obstacles into Opportunities.

The specific goal of this project is to improve the retention rate of RIT's student population through implementation of effective resiliency training.

Sixteen faculty and staff members, from Academic and Student Affairs and the President's Office, have worked on a voluntary basis to coordinate the pilot project.

"RIT wants to further become the kind of school where students are eager to stay, where students increasingly believe they have been significantly prepared for the workforce, where students remain loyal after graduation, and where students recommend the university to other prospective students," says Wild. "This pilot program attempts to address students' faulty belief systems and defeatist behavior, making them more resilient to adversity and inclined to persist and graduate from RIT."

Wild expects the project will improve retention rates by as much as 5 percent this year. A detailed assessment will track the success of the students in the pilot program. They will be tracked and monitored throughout the school year and will participate in a 90-day web-based program to reinforce the concepts. The Teaching Learning Center is also applying for another grant to sustain and broaden the project. ■

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# RIT women 'up and coming'

*Cindee Gray*

*Twyla Cummings*

Cindee Gray, assistant vice president, Government and Community Relations, and Twyla Cummings, graduate coordinator, print media management program, were honored as "Up and Coming" Businesswomen from the Rochester Women's Network this fall.

The award recognized 15 local women who have demonstrated professional and career leadership potential.

"Cindee and Twyla's contributions to RIT and the Rochester community have been extraordinary and significant, and we know that they will continue to make an impact on the lives of students, on campus and in the community," says Deborah Stendardi, associate vice president for government and community relations. ■

# Holiday events on campus

December is a time when many cultures celebrate the renewal of life and the coming of the light.

Festivities include:

■ 8 p.m., Dec. 11: Byron Cage, Clark Gymnasium. A gospel legend performs. Tickets—$5 for students, $15 for faculty/staff/alumni, $20 general admission and $15 group rate for 10 or more people—are available at the Student Alumni Union candy counter or by phone at 475-5210.

■ 3 p.m., Dec. 12: Christmas Service of Lessons and Carols, Allen Memorial Chapel, Interfaith Center. Seasonal music and scripture readings.

■ 6-9 p.m., Dec. 12: Kwanzaa Celebration, Student Alumni Union cafeteria. Sponsored by the Black Awareness Coordinating Committee, the celebration includes storytellers, dancers and music. Tickets are $1 at the door.

■ 5-7 p.m., Dec. 15: Once Upon a Holiday, lobby of the Grace Watson building. A multicultural celebration featuring more than 13 holidays. ■

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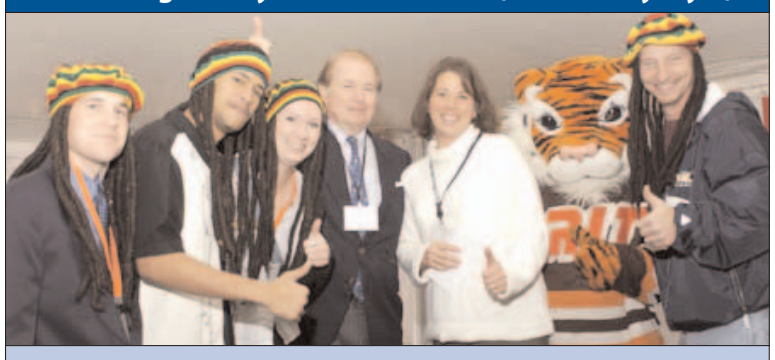
## Celebrating faculty and staff alumni (Bob Marley style)



*RIT faculty/staff alumni had the opportunity to gather during Brick City Festival for an inaugural appreciation luncheon. Pictured are, from left to right, Andrew Quagliata '01, '03; Marcos Maldonado '04; Heather Smith '02; Bill Buckingham '64; Shelley Yehl '95, '99; and Rob Grow '88. During the event, Yehl won a weekend for two in New York City this month.*

## Having their cake (and eating it, too)

*Newly commissioned U.S. Army second lieutenants, from left, Brian Weiblinger, Randolph Naughton, Joleen Joles and Christopher Braunstein celebrate at a commissioning ceremony for RIT Army ROTC graduating seniors on Nov. 19 in the Skalny Room of the Kilian J. and Caroline F. Schmitt Interfaith Center.*

# A holiday message from the president

*I think you'll agree that the holidays offer a great opportunity for both reflection and inspiration. So as we wind down from a particularly busy and fulfilling year at RIT, what better time to contemplate a bit over where we've been and where we're going?*

*RIT is in the midst of quite a celebration. Our 175th anniversary, which kicked off in May with commencement, has provided the campus community with a variety of different outlets to showcase our pride. Many more opportunities are planned for the remainder of the academic year, and I encourage everyone to revel in the excitement of this remarkable milestone.*

*I also want to again thank everyone who played a part this year in the creation of our strategic plan. Through your hard work, we are able to re-enforce a commitment that everything we do at RIT be focused on our students. I fully believe this foundation will, over the next 10 years, lead us to our ultimate goal of becoming a "Category of One University."*

*Carolie and I anxiously await the blessings of the holidays, and we extend our warmest wishes to you and your families for peace and happiness this season. And as a new and exciting year gets ready to unfold, we look forward to sharing it with you. Best wishes!*

Albert J. Simone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# Science spotlight

*from page 1*

*Members of the remote sensing group in the Chester F. Carlson Center for Imaging Science developed a sensor system for the U.S. Forest Service to locate wildfires as small as 8 inches in diameter from 10,000 feet altitude. System integration engineer Jason Faulring, shown above, demonstrates the equipment developed as part of the Wildfire Airborne Sensor Program.*

of doctoral programs in color science and astrophysics. The Center for Bioscience Education and Training is another area key to the college's future development. The RIT Board of Trustees recently gave approval to begin construction in early 2005 of the 34,000-square-foot facility that will house sophisticated research and teaching laboratories.

Earlier in the fall, Eastman Kodak Co. allocated up to $280,000 from its Rochester Economic Development Fund to provide full tuition scholarships for 35 people to complete a CBET certificate program in Basic Biotechnology Skills for Bioprocessing Operations. In addition to taking the lead in workforce training for the emerging bioscience and healthcare industry, CBET will enable COS to develop new academic programs in emerging life science disciplines, establish research initiatives in the biomedical sciences and conduct community education and outreach programs.

Gatley's emphasis on continued growth and learning among his faculty enriches research opportunities for undergraduates and graduates alike. An increase in students participating in the college's annual undergraduate research symposium held in August attests to the influence of faculty mentors. The dean further stresses the value of experiential learning to give students hands-on experience through research opportunities, co-ops and the general science exploration program for first-year students.

"I'm very keen that we give students a rich opportunity to try different things," Gatley says. "Because experiential learning is the best way to identify abiding interests and develop deep skills." ■

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# RIT delegation

*from page 1*

vision statement says, "RIT will lead higher education in preparing students for successful careers in a global society." A Global Strategy Task Force, led by Trustee Jay Holmes, has been established to provide strategic oversight of international initiatives.

The visit to Tianjin was coordinated by NTID's PEN-International. The Postsecondary Education Network International is the first-of-its-kind international partnership of colleges and universities serving the post-secondary education needs of deaf and hard-of-hearing students. James DeCaro, formerly dean of NTID, serves NTID and RIT as director of PEN.

Stan McKenzie, provost and vice president for academic affairs, led the RIT delegation for a two-day site visit, which culminated in the signing of a general partnership agreement.

Four members of the RIT delegation also visited the University of Shanghai for Science and Technology, where RIT had previously established a relationship through the School of Print Media.

In the city of Suzhou, RIT leaders visited the GEM Corporation initiative in the education/industrial park of Suzhou. Representatives of GEM visited RIT Dec. 3-5 as a follow up to RIT's visit for purposes of identifying and pursuing matters of mutual interest. Based in Singapore and Shanghai, GEM manages education institutions of higher learning in Malaysia and China. Bill Wiggenhorn, vice chairman of GEM, is a member of President Albert Simone's round-table advisory group.


*Provost Stan McKenzie, left, greets Li Jun, president of Tianjin University of Technology.*

Jim Miller, vice president of Enrollment Management and Career Services, says collaborations with China are part of a diverse comprehensive international strategy for the university. RIT will continue to build global relations so that it is not limited to one part of the world.

"Certainly, there is more going on globally then ever before, and more rapidly," he says. "We are networking all over the world."

RIT leaders who visited China with Miller, McKenzie and DeCaro included: Alan Hurwitz, dean and vice president, NTID; Wiley McKinzie, dean, College of Applied Science and Technology; Harvey Palmer, dean, Kate Gleason College of Engineering; Jorge Díaz-Herrera, dean, B. Thomas Golisano College of Computing and Information Sciences; and Nabil Nasr, assistant provost and director, Center for Integrated Manufacturing Studies. ■

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# RIT student wins at High Falls

*Anastasia Cerankosky*

Anastasia Cerankosky, an MFA thesis student, won an Audience Award at the High Falls Film Festival on Nov. 13.

Cerankosky was one of 10 female RIT students in the School of Film and Animation to have a film in the festival.

Her documentary, More than Meets the Breast, looked at how women relate to their breasts. The film's key issues were modesty, breast-feeding, breast implants and aging. Cerankosky lives in Rochester with her husband and four-year-old daughter.

Cerankosky plans to finish her thesis in the spring and hopes to continue working in the documentary field. ■

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# Worsley leads team to victory

*Roger Worsley*

This fall, RIT head women's volleyball coach Roger Worsley won his 100th career match at the helm of the Tigers with a 3-0 win over State University of New York at Oneonta. He becomes the fourth coach in the program's history to win at least 100 matches and is ranked fourth on the all-time career-coaching list with 103 victories.

Worsley also helped guide the team to excellence in the classroom. In 2002 the Tigers were one of only 26 Division III teams to be presented with the Academic Award by the American Volleyball Coaches Association. The award is given to programs that maintain a team GPA of 3.0 or higher.

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## 'Here she is' to inspire deaf students everywhere


*National Association of the Deaf's Miss Deaf America Erin Casler poses with National Technical Institute for the Deaf students Brian Strother, left, Tabatha D'Amato and Sam Lu. Casler was on campus recently to share her story and to encourage students to become involved. "Only by becoming involved," she said, "do people make a difference."*