

iit magazine

Spring 2011



START ME UP!

ALUMNI DRIVING NEW AREAS OF INNOVATION

COLLEGE OF ARCHITECTURE

AIA Awards Roundup

BOB ZWEIG

Inside the Diamond

RESEARCH

Health-Promoting Foods, Multi-Radio Multi-Channel Technology

letter from the President

"If passion drives you, let reason hold the reins."

—Benjamin Franklin

Passion is central to the entrepreneurship equation—a characteristic that can be fostered and honed but is more innate and aligned with commitment. For many years IIT has attracted students and faculty whose passions for entrepreneurship have reflected the university's mission to support innovation.

Our cover features stories about three alumni who are helping to drive new businesses. Each of these alumni has a different role within their organization and took a distinct path to achieve their success. But each has similarly tapped his or her passion and technical expertise—the latter being the “reason”—to take on a new venture. Their stories are inspiring and illustrate IIT’s strengths in a breadth of innovative fields.

Today, entrepreneurship is thriving at IIT. The university continues to attract talented and creative students with an entrepreneurial mindset, and we offer robust programs and tools to help them build the academic and personal skills they need to achieve success. These skills provide young entrepreneurs the experience and flexibility to pursue their passions with confidence.

Our students are learning how to commercialize concepts in the Interprofessional Projects (IPRO) Program and the expanded IPRO 2.0, and the Idea Shop is providing them the equipment and space to test their ideas. Other initiatives such as TechAdvantage@IIT, Knapp Entrepreneurship Center, and University Technology Park are extending IIT’s expertise in entrepreneurship for the benefit of community members and small-business startups.

It takes both passion and relevant skills to be a successful entrepreneur. IIT is educating students, small-business owners, and aspiring entrepreneurs within the community to tap both of these qualities in order to find entrepreneurial success. In the coming years, we look forward to being a catalyst that turns more *reasoned passions* into *reality*.



John L. Anderson
President

iit magazine

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Founded in 1890, Illinois Institute
of Technology is a private Ph.D.-
granting university that awards
degrees in engineering, the sciences,
architecture, law, design, psychology,
humanities, and business.

IIT MISSION STATEMENT

To provide distinctive and relevant
education in an environment
of scientific, technological, and
professional knowledge creation
and innovation.

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director. For further information about
IIT's resources, contact the IIT Center for
Disability Resources at disabilities@iit.edu.

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IIT MAGAZINE ONLINE-ONLY CONTENT!

Read extended coverage of stories featured in the print edition
as well as special online-only content at www.iit.edu/magazine

IIT FUNDRAISING CAMPAIGN **UPDATE**

IIT's six-year fundraising campaign, launched on June 1, 2010 and currently in its leadership phase, reached a giving total of \$68,289,599 as of April 30 and achieved two new milestones.

CAMPAIGN THEME ANNOUNCED

At the February Board of Trustees meeting, the campaign theme **"Fueling Innovation. The Campaign for IIT."** was unveiled. According to Associate Vice President and Campaign Director Susan Faraone, the theme captures the university's unique promise to produce innovative graduates through IIT's distinctive education program and to address urgent global challenges through innovative research and scholarship.

"Because of the hard work we have done and the hard work to follow, I expect the conclusion of the campaign to see IIT move to the level of first-tier universities focused on professions and technology," says IIT President John Anderson.

RECORD ALUMNI GIVING

Anderson notes that in addition to raising financial resources for the university, two goals of the campaign include developing a pipeline of future donors and strengthening the IIT alumni network.

The latter goal is seeing traction, as the number of alumni giving to IIT is currently at its highest level since 2007. Faraone says alumni of all ages are contributing campaign gifts at all levels, and that "every gift, large or small, from an alumnus or alumna makes a difference in our ability to achieve President Anderson's vision for IIT's future."

TO SUPPORT THE CAMPAIGN, VISIT

www.iit.edu/giving/campaign_for_iit



Andrea Berry



Thomas A. Demetrio



Paul McCoy



Robert J. Washlow

IIT WELCOMES NEW TRUSTEES

AT ITS FEBRUARY 9, 2011 MEETING, the IIT Board of Trustees elected four new members, all alumni. **Andrea Berry** (CS '84) is senior vice president, broadcast operations for FOX Network Engineering and Operations. **Thomas A. Demetrio** (LAW '73) is a partner with Corboy & Demetrio, a Chicago-based law firm. **Paul McCoy** (EE '72) is president of Trans-Elect Development Company, LLC, an electric transmission company. **Robert J. Washlow** (LAW '70) is a managing member of Bay West Management LLC, a Northbrook, Ill., management services firm.

Alexander Donchev

IIT Graduates First Collens Scholars

FOUR YEARS AGO, Alexander Donchev (ECE 4th year), a native of Bulgaria who had recently moved to Chicago with his family, prepared to graduate from Mather High School and leave for a new home: college. This May, he is moving again—this time, joining the community of IIT alumni.

In 2007, IIT established the Collens Scholars Program to support qualified graduates of Chicago Public Schools. The program, which provides students full-tuition scholarships to attend IIT, is meant to inspire and support talented students from families of limited financial means.

“Philip Armour founded this university to provide a place of learning for the underserved community, and it is important to remember our roots,” says IIT President Emeritus Lew Collens, after whom the scholarship is named. Collens and his wife, Marge, are both CPS graduates.

Today, more than 100 CPS graduates are Collens Scholars at IIT. Many of these students are the first in their families to attend college.

Donchev explains that although he adapted to his IIT home quickly, he thought his chances of attending IIT in the first place were nearly “impossible.”

“I began applying to colleges only a year and a few months after I came to the U.S.,” says Donchev. “I was still adapting to a new environment and learning a new language. I decided to look at the application

and give it a try. I learned about this scholarship opportunity the day I received my acceptance letter to IIT.”

Another Collens Scholar graduating this year, Muqadas Munir (BADM 4th year), says the Collens scholarship was the deciding factor that allowed her to attend college.

“My family saw that with scholarships like this one, attending college is possible,” says Munir. “My parents now expect all five of my younger siblings to attend college, and that was not the expectation before I started.”

So far, Munir’s siblings have been following her lead. Her brother Muddasar (SSCI 2nd year) also attends IIT as a Collens Scholar.

In 2010, the Collens Scholars OPEN, an annual golf outing benefitting the Collens Scholars, began taking the university’s commitment to CPS students beyond tuition and books to on-campus housing. Many students travel up to several hours daily to attend the university, and Collens says it became clear that their ability to study and assimilate into the IIT community would improve if they lived on campus. With funds raised at the 2010 golf outing, all eligible first-year Collens Scholars who wished to live on campus were able to do so.

The 2011 Collens Scholars OPEN will be held Monday, July 25 at Medinah Country Club in Medinah, Ill.

—Tanya Pantone

MORE  ONLINE

2011 Collens Scholars OPEN: www.golfinvite.com/iitcollensscholars

Collens Scholarship information: www.iit.edu/undergrad_admission/apply/collens.shtml

Law Faculty Aid Children with Diabetes



Children with diabetes in Illinois can more easily focus on their daily school activities thanks to the efforts of two IIT Chicago-Kent College of Law faculty members and their students. Distinguished Professor Lori Andrews and Associate Clinical Professor

Edward Kraus, working closely with other diabetes advocates, helped to secure passage of the Care of Students with Diabetes Act, which went into effect on December 1, 2010.

"Illinois has one of the worst nurse-to-student ratios in the country, and many Illinois schools do not have an adequate number of school nurses," says Kraus, who also oversees Chicago-Kent's Health and Disability Law Clinic. "The Care of Students with Diabetes Act remedies this by allowing volunteer, non-nurse school employees to help students manage their diabetes during the school day."

The law also ensures that someone will be present at all times to administer insulin and allows schools to more easily comply with federal anti-discrimination and disability laws. The Chicago-Kent team analyzed laws in other states, and consulted with families, local diabetes advocate Suzanne Elder, and the American Diabetes Association in drafting and working for passage of the model legislation.

utpwatch

Construction of the new technology incubator in University Technology Park is nearly complete. The furnished, state-of-the-art, 28,000-square-foot incubator is expected to open in May 2011. (Sixty-nine percent of the funding for Incubator-South comes from the federal Economic Development Administration, the remaining 31 percent from the State of Illinois.) When finished, Incubator-South will contain 15 wet labs, nine dry labs, and six offices for technology-based startup companies. There also will be a shared equipment room with autoclave, glass washer, freezer, refrigerator, icemaker, and centrifuge.

Three new companies now make UTP their home: **Intelligent Generation** (Incubator-North), **EDDR Corporation** (IIT Tower), and **Lenticular Research Group** (Technology Business Center).

To receive UTP's e-newsletter, contact Dan Marselle at marselle@utp.iit.edu. Past editions of the e-newsletter are on UTP's website.

- <http://universitytechnologypark.com>

Lady Hawks Recognized for Ethics



The IIT women's soccer team concluded the 2010–2011 season with numerous honors for overall and individual merit. The National Soccer Coaches Association of America presented the Hawks with a Bronze Team Ethics Award for exhibiting fair play,

sporting behavior, and adherence to the laws of the game. The team was one of 73 women's teams representing all divisions in the National Collegiate Athletic Association and the National Association of Intercollegiate Athletics that were given an award. Established in 1941, the NSCAA is the largest soccer coaching group in the world.

CAREER Awards Among Recent Faculty Honors

IOAN RAICU, assistant professor, Department of Computer Science; **YU CHENG** [see page 13] and **KUI REN**, assistant professors, Department of Electrical and Computer Engineering; and **BENXIN WU**, assistant professor, Department of Mechanical, Materials, and Aerospace Engineering, were awarded National Science Foundation Faculty Early Career Development (CAREER) Awards for 2011. IIT junior faculty members have received 14 CAREER Awards since 1995. This is the most IIT has received in a single year.

JINQIAO DUAN, professor of applied mathematics, was awarded an \$850,000 grant from the National Science Foundation for his project "Ocean Modeling by Bridging Primitive and Boussinesq Equations." The project focuses on quantifying some rapidly evolving three-dimensional motions that are found in comparatively smaller areas of the ocean but are important to the multiscale dynamics of both coastal and global ocean flows.

NORMAN G. LEDERMAN, professor and chair of the Department of Mathematics and Science Education, was honored with the 2011 Distinguished Contributions to Science Education through Research Award from the National Association for Research in Science Teaching. In March, Lederman was also named a distinguished professor at IIT.

JOHN ZASADZINSKI, professor of physics, was honored as a 2010 fellow of the American Physical Society in recognition of his contributions to superconducting tunneling spectroscopy.

New Metra Stop Opens at IIT

IIT now has a new mass-transit alternative—the Lovana S. “Lou” Jones Metra Station on 35th Street between Federal and LaSalle streets, part of Metra’s Rock Island District Line. The fully accessible commuter station opened on April 3 and features heated ramps and platform shelters, bicycle racks, benches, and an audio-visual information system. On weekdays, 26 inbound trains and 21 outbound trains stop at the new station, which is also served by all weekend trains.

Illinois First District Congressman Bobby Rush attended the station’s dedication ceremony, which took place on May 6. The new stop recognizes Jones, a state lawmaker who represented the area for nearly 20 years before her death in 2006. To view a photo slideshow of the new station, visit www.iit.edu/about/metra_at_iit.shtml.



Men's Soccer Scores with Confidence and Determination

After a Chicagoland Collegiate Athletics Conference record of 4–6 in 2009–10, the Scarlet Hawks men's soccer team rebounded during the 2010–11 season, scoring multiple honors. The Hawks won the CCAC regular season championship with a 9–1 record and its second CCAC title since 2008–09, and placed 23rd in the top 25 National Association of Intercollegiate Athletics Men's Soccer Coaches' Top 25 Poll, the first time an IIT sports team has ranked this high nationally.

Four players were named to the CCAC All-Conference First Team and three players achieved Second Team status. One First Team player included forward Liam Barrett (BA 2nd year), who was named CCAC Men's Soccer Player of the Year. He was further recognized as a third-team member of both the NAIA Men's Soccer All-American and ESPN Academic All-America® teams. Barrett's ESPN honor marks the first of its kind for an IIT male student-athlete. That he achieved any of this is something that Barrett attributes to self-awareness, and a little good luck.

Born in Felixstowe, England, Barrett was a rising star who began playing in the youth soccer system at age 8. After graduating from Orwell High School at 16, he became an apprentice with the Ipswich Town Football Club and soon after, suffered a series of physical setbacks that ended his dream of playing professionally. He tore the cartilage in his left knee and a botched surgery required a second operation. When he resumed playing, the studs on his right shoe became caught in the turf during a game and caused Barrett to tear the cartilage in his other knee.

He remained in the apprenticeship program, which included an academic component, and developed an interest in marketing. Barrett, then 19, coached youth soccer, and strengthened and stabilized his legs enough to play in a trial match that showcased his soccer skills to college recruiters, including former IIT athletic director and men's soccer coach Lee Hitchen. After researching how IIT could fit into his future career goals in business administration, Barrett accepted an offer to come to the United States.

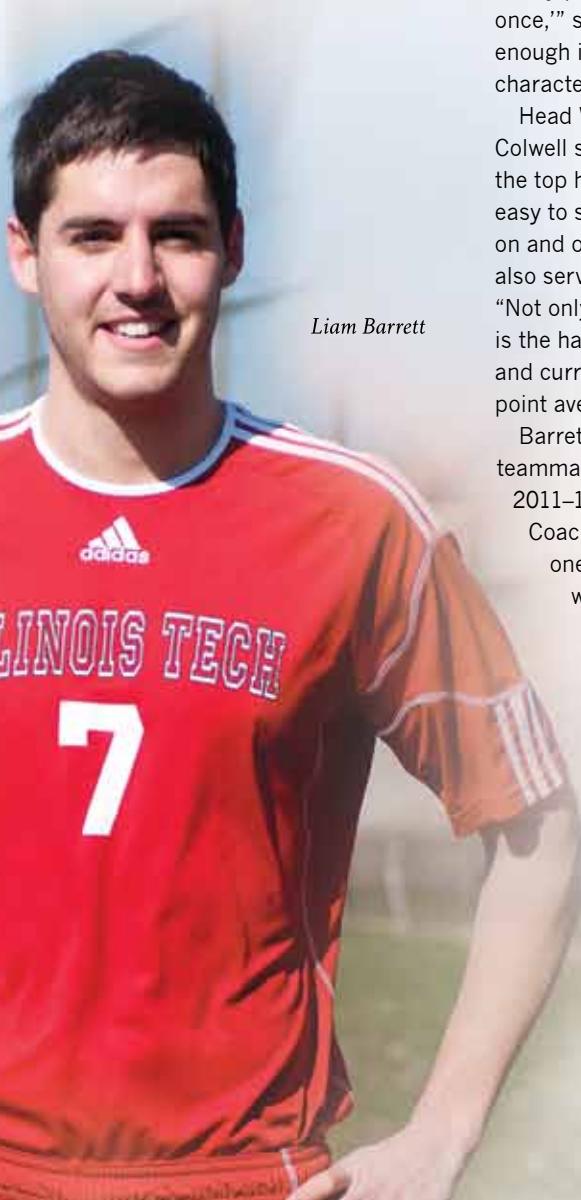
"Even though I saw coming here as a risk because my scholarship depends on my playing, I thought, 'You only live once,'" says Barrett. "I was confident enough in my abilities and have a strong character. I'm determined to do well."

Head Women's Soccer Coach Marc Colwell says that Barrett is deserving of the top honors given to him. "It is very easy to see why Liam has been successful on and off the field," says Colwell, who also serves as athletic academic liaison. "Not only does Liam have talent, but he is the hardest-working player on the team and currently maintains a 4.0 grade point average."

Barrett notes that he and his teammates are already in sync for 2011–12 thanks to Interim Men's Soccer Coach Denis Hamlett, who left IIT after one season to be an assistant coach with the Vancouver Whitecaps.

"Although we had high expectations of getting into the national tournament, when we didn't, we sat down and started arranging what we were going to do for the coming season," explains Barrett. "That was good for us—not to ponder on what was gone, but to look to the future. Denis instilled that in us."

—Marcia Faye



Liam Barrett



[Left] Students in Haiti with the XO-1 laptop; [right] Laura Hosman [front row, left] and her students during a visit to Haiti last January

Improving Education One Laptop at a Time

IN 2009, the Haitian Ministry of Education received a donation of approximately 11,000 laptops as part of the One Laptop per Child (OLPC) program. Unfortunately, it was a gift that could not be unwrapped: A lack of electricity in 95 percent of Haitian primary schools prevented students from using the computers.

Shortly after the laptops were donated, a former colleague of Assistant Professor of Political Science Laura Hosman put her in contact with the OLPC coordinator in Haiti, who was searching for a solution for charging the laptops. When Hosman joined IIT in fall 2009, her dream of involving students in this project soon became reality. Her Interprofessional Projects (IPRO) Program course IPRO 335: Developing Technology to Transform Education in Haiti began in fall 2010, just a few months after the devastating earthquake hit Haiti.

"The first pilot schools to receive the laptops in Lascahobas were some of the lucky few that had grid electrical power," says Hosman. "Since the earthquake, that grid power has become greatly reduced, sporadic, and unpredictable."

To charge the laptops, students participating in IPRO 335 raised funds to design and deploy a solar powered solution, which will be open source, replicable, and offered at a lower price point than was previously available in Haiti. Upon completion, it could be applied across the country to all primary-level schools participating in the OLPC program and other schools looking for a similar solar powered solution. The team is involving Haitian university students and professors, as well as OLPC project coordinators, in the design and deployment to ensure that the design is locally relevant and sustainable—in terms of both maintenance and the environment. The team hopes to deploy the solar solution at the pilot schools in Lascahobas when it visits this May.

The second goal of the IPRO class is to assist with the development of locally relevant educational content, particularly about solar power and earthquake preparedness and response. As part of this effort, the team plans to hold informational meetings and training sessions with the students' parents and community to increase awareness and build local support for the project.

"Working through the conflicts and socioeconomic issues that arise when introducing technological advancements in developing countries, I have learned, is the most important part of the sustainability of this project," says Dhara Shah (BME 3rd year). "As engineering students, we have the capabilities to design technological solutions for developing countries so that their basic human needs are met. Education is one of those needs, and this project strengthens every effort to improve the educational system in Haiti not only in the two pilot schools, but eventually, in others, too."

—Tanya Pantone

MORE ONLINE

IPRO 335: Developing Technology to Transform Education in Haiti: <http://iitempoweringhaiti.org>

One Laptop per Child: <http://one.laptop.org>

Laura Hosman's research and travel blog: <http://ict4dviewsfromthefield.wordpress.com>

2010

A Winning Year for College of Architecture

IIT COLLEGE OF ARCHITECTURE FACULTY, STUDENTS, ALUMNI, AND OVERSEERS WON 28 OF THE 38 AWARDS DISTRIBUTED AT THE 55TH ANNUAL DESIGN EXCELLENCE AWARDS, SPONSORED BY THE CHICAGO CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS. AMONG ALL THE IIT AWARDS IN FOUR CATEGORIES WERE:

DISTINGUISHED BUILDING AWARDS

The Distinguished Building Award recognizes significant achievements in the

planning, design, and execution of recent building projects.

IIT architecture students won the award for Field Chapel, which they designed and built in Associate Professor Frank Flury's 2009 Design/Build studio course. The one-room chapel was developed for an ecumenical church cooperative in Boedigheim, Germany.

"We're not able to contain our enthusiasm," one juror said of the serenely simple chapel.

Adjunct Associate Professor Jeanne Gang's firm, Studio Gang Architects, won for Aqua, the 82-story mixed-use residential skyscraper in Lakeshore East in Chicago. Aqua is the tallest building in the world designed with a woman as lead architect. [For more information about Gang, see page 11.]

Three other faculty members also received the award: Associate Professor David C. Hovey's (ARCH '67, M.S. '71) firm, Optima, Inc., for Old Orchard Woods in Skokie, Ill.; Ross Barney Architects, founded by Adjunct Professor Carol Ross Barney, for the design of the Chicago River Main Branch Riverwalk; and Adjunct Professor David Woodhouse's firm, David Woodhouse Architects, for the DuSable Harbor Building in Chicago.



FIELD CHAPEL



CHICAGO RIVER MAIN BRANCH RIVERWALK

PHOTO: KATE JOYCE; HEDRICH BESSING PHOTOGRAPHERS; AND ROSS BARNEY ARCHITECTS



HENNEPIN HOUSE

INTERIOR ARCHITECTURE AWARDS

The Interior Architecture Award promotes interior architecture—defined as the space within a building envelope—as a unique profession by recognizing outstanding interior design projects.

Studio Associate Professor Martin Felsen's firm, UrbanLab, received an award for the Hennepin House in Hennepin, Ill. Associate Professor John Ronan's firm, John Ronan Architects, received an award for the Chapel of Saint Ignatius Loyola in Chicago.

PHOTO: BILL ZAREN



TRANSPARENT HOUSE II

DIVINE DETAIL AWARDS

The Divine Detail Award recognizes an instance in which the expression of architectural theory becomes an artistic medium, defining the

relationship between architecture and craft.

Skidmore, Owings & Merrill, which includes Adjunct Professor Ross Wimer as design partner, received an award for its design of The Ledge at Skydeck Chicago. Studio Professor Ron Krueck (ARCH '70) and Mark Sexton's (ARCH '80) firm, Krueck + Sexton Architects, received special recognition for Transparent House II in Gulf Breeze, Fla.

Board of Overseers Co-Chair and Adjunct Professor Andrew Metter and his firm, Epstein | Metter Studio, received an award for Serta International Center in Hoffman Estates, Ill.

PHOTO: J.WAS



CULVER HOUSE DEVELOPMENT

UNBUILT DESIGN AWARDS

The Unbuilt Design Award honors achievement in architectural design for commissioned projects that will not be built. Evaluation is based on the significance of the concept and the quality of the design.

Associate Professor and Thesis Director Dirk Denison (ARCH '83, M.B.A. '85) and his firm, Dirk Denison Architects, received an award for the Culver House Development in Chicago.

For a complete list of the 2010 AIA Chicago Design Excellence Awards recipients, please visit www.aiachicago.org/special_features/2010DEA/index.asp.

For Your Eyes Only

CHRISTENA NIPPERT-ENG, IIT associate professor of sociology, is used to the limelight. She does improvisational comedy, performs on stage, and appears in the media from MSNBC to PBS. So it may come as a surprise to hear her describe herself as “craving a monastic existence.”

Nippert-Eng insists there’s no contradiction. She says each of us possesses a dual nature—one that seeks connectedness, interaction, and the free exchange of information, while jealously guarding aspects of our life from the prying eyes and ears of others. The strategies humans use to balance these conflicting inclinations

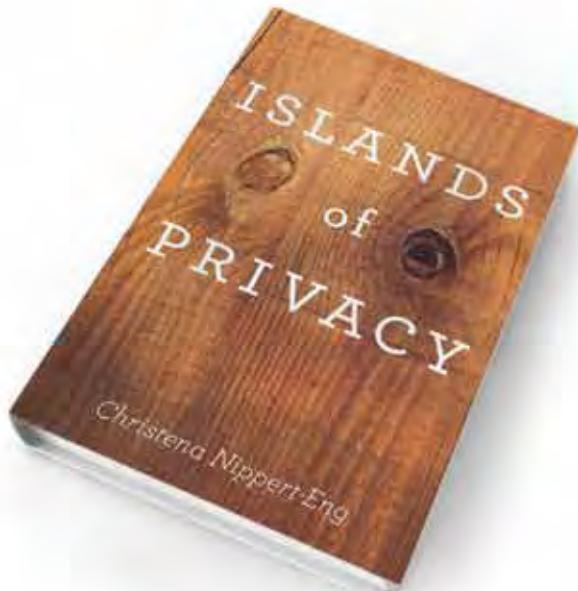
are the focus of Nippert-Eng’s research and the topic of her new book, *Islands of Privacy* (University of Chicago Press).

In her book, Nippert-Eng’s analysis relies on a close reading of history—from the Puritans, who invented the concept of eavesdropping, to political notions of privacy rights embedded in the Constitution. “I can’t think of anything that is more fundamentally social than privacy,” she notes. “Privacy is socially gifted. It must be granted to you by other people.”

Nippert-Eng buttresses her

theoretical research with in-depth interviews of 74 participants, whom she questioned about privacy in their daily lives and their tactics for preserving it.

One segment of her ethnographic fieldwork involved asking participants about the public or private nature of personal items carried in wallets or purses. Nippert-Eng cleverly deconstructs these everyday accessories, showing how wallets and purses can be spread open like books,



revealing intimate aspects of our lives, and just as quickly closed again, denying others a gateway to our secrets.

Nippert-Eng also discusses the sociological ramifications of electronic privacy. She is fascinated by the ways in which social media, for example, are redefining privacy, as our daily reflections—from the sordid to the mundane—are sprayed across cyberspace, Tweeted, or Facebooked, with embarrassing or sometimes catastrophic results.

“I think of Facebook as a very adolescent model of what a friend is,” she says, pointing out that it lacks the kinds of nuance that usually accompany offline interactions, where different types of information are appropriate to different circles of friends, family, or acquaintances. “There are some who understood right away that your Facebook account is a performance. And whoever you ‘friend,’ whoever you allow to see this, you are performing for,” she says.

Nippert-Eng says our instinct for control over our own information coupled with intense curiosity about the private lives of others is something we share with our primate relatives. Part of her research involves observations of the Western Lowland gorillas of the Lincoln Park Zoo, who sometimes display a humanlike covetousness of their secrets.

“The moment another individual tries to hide something, our curiosity is piqued more than ever. It is just in the nature of who we are,” she says. “It shouldn’t be surprising that our technology has tapped into the voyeuristic nature of our species.”

—Richard Harth

MORE  ONLINE

Islands of Privacy: www.press.uchicago.edu/ucp/books/book/chicago/I/b08854921.html

POINTS OF DISCOVERY

Jeanne Gang

PHOTO: CHRIS ITAHARA

AQUA IS ALL MOTION. The Chicago skyscraper's rolling curves and fluid energy are a striking addition to the city—an expressive, twenty-first century entry into the most exclusive section of Chicago's skyscraper pantheon.

The building's success since its completion in 2009 has transformed not only Chicago's skyline, but also the reputation of the building's chief architect, Jeanne Gang. Gang already was a rising star, but she is now fully arrived: Aqua won an award recognizing it as the world's best new skyscraper in 2009, and Gang earned effusive press in prestigious publications around the world (*The New Yorker* called Aqua "ingenious," while British newspaper *The Guardian* said the tower is "a revelation").

Now Gang is poised to join a long line of luminary architects who have both lived and worked in Chicago, a list headlined by Daniel Burnham, Louis Sullivan, Frank Lloyd Wright, and Ludwig Mies van der Rohe. It was Mies, of course, who guided IIT's College of Architecture for 20 years in the mid-twentieth century, and in some ways it is his legacy that Gang most directly confronts as she forges her own path.

Gang joined IIT as an adjunct faculty member in 1998, shortly after founding her Chicago-based firm, Studio Gang Architects. She says her teaching style contrasts with what she describes as Mies' highly technical approach.

"When you're in school, that's the time to conceptualize, to focus on big ideas and to let yourself really explore issues," says Gang. "When students work for [Studio Gang], they learn nuts and bolts. In school, I emphasize the exploration and ideation that's possible when you're a student."

That approach is also evident in Gang's work, according to Donna V. Robertson, dean of the College of Architecture. Robertson hired Gang early in Robertson's tenure as dean, as part of a wave of promising young architects that also included John Ronan, an associate professor still at IIT, and Bob Piotrowski, who now leads a practice in Germany.

"Jeanne is very experimental; she doesn't have one fixed type of architecture [that she creates]," says Robertson. "She likes to move in and examine all the givens defined by a client, and then move beyond that restricted vision to uncover new opportunities."

Gang describes that process this way: "We make sure our work meets [a project's technical needs], and then we try to find out where the inflection points are—where we can discover something new," she says. "What drives me is the goal of making a discovery. But a [project] has to serve the people paying for it, as well; it has to meet their needs and fit their budget. Without that, you risk not being able to build it."

Indeed, Aqua's developer told Gang that a three-month delay or bloated budget would have killed that project.

As Gang's practice has grown, she's been teaching less frequently at IIT. She has, however, been hiring: there are nine IIT alumni on her staff, nearly a quarter of the firm's 40 employees. Not all of the firm's projects are as grand in scope as Aqua, but as Gang focuses her creativity and energy on buildings that range from community centers to carports, private homes, and concert halls, the possibility of a great discovery is ever present. For a young architect, that hope generates a sense of energy and motion that recalls the Aqua tower itself.

MORE  ONLINE

IIT College of Architecture: www.iit.edu/arch
Studio Gang: www.studiogang.net

—Steve Hendershot



Britt Burton-Freeman

FOOD FOR THOUGHT

As spring relegates a harsh winter to the historic almanacs, thoughts turn from shoveling snow to early planting, including a summertime favorite—strawberries.

Britt Burton-Freeman, assistant research professor of biology at IIT, is exploring the active components in strawberries and other plant foods in an effort to better understand their health-promoting properties.

As Burton-Freeman notes, strawberries may be among the more potent of commonly available fruits to impact health, making them an attractive topic for in-depth study. Not only are strawberries a rich source of vitamin C, fiber, and folate, but they also contain polyphenolic compounds that have antioxidant and anti-inflammatory properties, stave off blood clots, and act as neuroprotectants.

Recent work by Burton-Freeman and her team indicates that phenolic components in strawberries help insulin work more efficiently in the body, especially in muscle cells. The group is currently recruiting people with insulin resistance to study this action of strawberry bioactives in greater depth.

Burton-Freeman and her colleagues use various eating models to understand the physiology of foods and their

constituents. One such approach involves feeding individuals typical Western-style meals and testing blood samples over a period of six hours. "We look at the post-meal changes in various hormones, metabolites, cytokines—which are indicative of inflammation—oxidative stress factors, things that a meal would induce," she says.

Nutritional researchers are particularly concerned with these variables because of their link with the development of chronic disease. Consuming plant foods rich in polyphenols can help minimize the deleterious effects of a common

American meal. Freeman has found that strawberries act to reduce oxidation of circulating LDL, the so-called "bad cholesterol" associated with arterial sclerosis. In other work, Freeman's group demonstrated certain cytokines are reduced when strawberries are included in a meal.

Strawberry extracts for testing in cells indicate that water-soluble components of strawberries are linked with the health of endothelial cells, which line the blood vessels of the circulatory system. Endothelial dysfunction is a prime culprit in many chronic afflictions, including hypertension and diabetes.

—Richard Harth

IIT LAUNCHES INSTITUTE FOR FOOD SAFETY AND HEALTH

In April, the National Center for Food Safety and Technology became a principal operating unit within IIT's newly formed Institute for Food Safety and Health. The reclassification of the NCFST to institute status better reflects the organization's expanded scope of research, expertise, and new state-of-the-art facilities.

IFSH will continue to offer graduate degree and professional certificate programs, in cooperation with IIT's Chemical and Biological Engineering and Biological, Chemical, and Physical Sciences departments.

IFSH | INSTITUTE FOR
FOOD SAFETY
AND HEALTH

MORE  ONLINE

IFSH Health-Promoting Food Platform: www.iit.edu/ifsh/world_class_food_science/health_promoting_foods/index.shtml
"Dietary Polyphenols and Health": www.ncbi.nlm.nih.gov/pmc/articles/PMC2155.full



TODAY, OUR PHONES, GAMES, AND GADGETS—often linked to the Internet—travel wherever we do, thanks to an explosion in wireless technology. With all of us continually on the move, it's no wonder our wireless network is often as congested as rush hour on the Dan Ryan.

Yu Cheng, IIT assistant professor of electrical and computer engineering, is the recipient of a 2011 National Science Foundation Faculty Early Career Development (CAREER) Award supporting foundational research into a new kind of wireless network. Known as Multi-Radio Multi-Channel (MR-MC), the technology attempts to find a detour around two weaknesses common in traditional networks—interference and limits to capacity.

New MR-MC networks provide a versatile alternative that promises to dramatically enhance service for such devices as smart phones, tablets, and netbooks while improving commercial Internet connectivity. As Cheng explains, "Usually we have just one interface and one antenna. In this case, there is a limitation because of interference—for example, if two nodes in the network are too close to each other."

MR-MC diverts this issue, using multiple radio interfaces, each assigned to a different channel. In this way, the multiple transmission elements can all work at the same time, significantly increasing network capacity.

MR-MC allows smart devices to be used as a networking gateway, with the Wi-Fi radio interface providing access to multiple users and the cellular radio interface connecting

networkers to the Internet backbone. By eliminating overlapping between Wi-Fi and cellular channels, the two channels can now operate independently.

Just as traffic lights at a busy intersection regulate the flow of cars in all directions, electronic information flooding through a network's arteries must be managed precisely. But this problem of resource allocation for wireless networks is far trickier than your average four-way intersection and requires sophisticated mathematics. To date, existing methods have managed to provide only approximate solutions for the efficient routing of signal traffic in MR-MC systems.

Cheng's CAREER proposal focuses on a method for addressing issues of resource allocation. The strategy relies on a means of visualizing network complexity through what is known as a multidimensional conflict graph, capable of more accurately modeling the network's behavior. Another advantage of this method, Cheng explains, is to transform the problem from an integer programming to a linear programming regimen, thereby greatly simplifying the problem of optimization.

—Richard Harth

MORE ONLINE

IIT Future Networking Research Laboratory (FunLab): www.ece.iit.edu/~funlab

Re-routing Wireless Traffic

Yu Cheng



Score Another for Team Tsao

by MARCIA FAYE

Victor Tsao (M.S. CS '80)

The basketball hoop affixed to the Irvine, Calif. garage of Victor Tsao (M.S. CS '80) and his wife, Janie, was just one of many in an area dominated by Los Angeles Lakers fans. But this one was emblematic of the slam-dunk its owners scored in 1988 when, using the garage as a makeshift workshop, they created the multimillion-dollar wireless computer network company Linksys.

While the couple later sold both their Irvine property and their company, a Spalding in-ground basketball pole is in place in the backyard of their home today, in Newport Coast, Calif., not far from the residence of Kobe Bryant, the Lakers' all-time leading scorer. Tsao says that basketball has been his passion since he was a kid, when he played on his junior high team in Taipei, Taiwan. He has not only derived physical benefits from the sport but also has gleaned some practical applications as well, centered on the concept of the team.

"Basketball is a highly intensive team sport," says Tsao from Florence, Italy, consulting through Miven Venture Partners, LLC, which he and Janie co-run. "I've played with many different kinds of people throughout my life and have admired many of my teammates. From them I've learned more about working together, tolerance, and making adjustments. In business, you plan and execute with the team, but also spend time doing your homework; you have to play the defense and offense with all you've got."

The Tsaos have comprised their own team of two since first meeting as students at Taiwan's Tamkang University, and married after they came to the United States. In 1977, the couple moved to Chicago, where they attended graduate school, then settled in California. Over the next decade, they gained both academic knowledge and corporate experience, holding a variety of positions in companies such as TRW, Inc., where Janie served as a systems manager, and Taco Bell Corp., where Tsao was director of MIS strategic systems development. All the while, they discussed their vision for a line of computer peripherals based around the concept of connectivity, and began development during their free time.

"After two years, we had our product line ready and had enough customers to pay our bills," says Tsao, noting that it was a family affair, with sons Michael, now 27, and Steven, now 25, helping to package the products.

PHOTO: NICOLE CALDWELL

In less than 15 years, Linksys became the global market leader in wireless and broadband hardware for small-to-medium businesses and home environments. The company secured shelf space at major retailers and earned numerous industry awards. In 2001, it was named to the *Inc.* 500 Hall of Fame, recognized, in part, as one of 22 companies on the list with sales exceeding \$100 million.

The Tsaos wanted Linksys to expand in the global marketplace and, in 2003, sold the company to Cisco in a stock arrangement valued at \$500 million. They were hired by Cisco as part of the executive team heading the new Linksys division and remained with the company until 2007 before shifting their focus to Miven, which was founded in 2005.

"My role at this point in my life is to share my experiences, even though I'm still always learning new things myself, and to be of value to others," says Tsao.

A multistage venture and public equity investment firm, Miven Venture Partners provides capital for consumer-related technology startups in the areas of information technology, telecommunications, converged media, entertainment, and wireless. Having previously acquired a vast network of contacts throughout Asia, Tsao focuses his efforts on China, but has also assisted promising talent in California and Israel. Some of their investments have included the wireless provider Celeno and Vivotech, a leading provider of high-performance Wi-Fi chips for high-definition multimedia and Near Field Communication equipment and applications.

"When we look at a startup, the first thing we focus on is the people, how everyone works together as a team," says Tsao, who adds that they then evaluate the idea itself based on whether it is executable and scalable. Important, too, is the startup's potential to distinguish itself in the global marketplace, which circles back to the effort the team puts in. "If you work hard, you won't be perfect, but you'll make fewer mistakes," says Tsao. "What that means for the business world is that you'll make fewer mistakes than your competitors."

Tsao knows that mistakes are also possible without greater cultural awareness. Through the Tsao Family Foundation, the Tsaos and their son Michael are working with the nonprofit Center for Asian American Media (CAAM) to produce a series of documentaries promoting understanding and communication. The series, shot in China by filmmaker Patrick Shen, will provide examples of typical Chinese behavior while offering insight into religious beliefs, historical references, and customs.

"There's no question that the U.S., and possibly the rest of the world, is focused on the rapidly emerging China," says Donald Young, CAAM's director of programs, who is overseeing the series.

"The films the Tsaos are interested in producing are explicitly intended to provide a window of understanding into China and its people for Western audiences."

Young notes that his crew is aiming to complete production of the first film in the series, tentatively titled *The Art of Work*, by the end of 2012, in time to premiere at a major international documentary film festival.

Although living in America for the past 34 years has blurred his own Chinese-American boundaries, Tsao believes his dual identity brings a unique advantage to the filming process. He remembers an instance when he exhibited decidedly non-American business protocol.

When the Cisco-Linksys integration team asked Tsao for his vendor agreements, he momentarily choked. "I don't have even one!" he says he told the group, adding that for many years, he sealed every business transaction with not much more than a handshake.

"Within one month I obtained agreements from all 12 vendors across Taiwan and China, and since that time, have made sure that I have documents on every matter," he says, laughing, wanting to be a good team player, American-style. ■

MORE ONLINE

Asian and American Leadership Differences: <http://hbswk.hbs.edu/item/4869.html>

Center for Asian American Media: <http://caammedia.org>

The Leap Celebrities: Victor Tsao: www.the-leap.com/celeb_tsao.php

YOU SAY TOMATO...

Victor Tsao recalls a recent business dinner he attended with a popular Taiwanese author, who commented that American employees are very difficult to manage because of their forthright communication style. Tsao notes that overall, Chinese employees find it easier to remain silent about a work situation they dislike and then quit without warning rather than discuss matters with their supervisor.

Other general differences between Chinese and American cultures include:

CONCEPT OF SELF

Chinese—
place importance on individual modesty and working for the benefit of the group

Americans—
see being independent and self-promoting as sign of strength

ON THE JOB

Chinese—
place importance on relationships between coworkers, suppliers, customers

Americans—
emphasize accomplishment through carrying out tasks

OBLIGATION

Chinese—
encourage relationships that involve mutual obligations

Americans—
avoid interdependent relationships that may involve long-term responsibility

TRANSMISSION VISION

by MARCIA FAYE



It's the morning following President Barack Obama's State of the Union speech. Amid the clatter of coffee cups and flatware at a Chicago-area eatery, a voice percolates above the noontime crowd at the Moondance Café.

"There's alternative energy and then—as the president said last night—there's clean energy," says Paul McCoy (EE '72), a key figure in the planned Atlantic Wind Connection (AWC) wind farm project. "In my view as a practitioner in this area for decades, he correctly stated that we need it all—wind, solar, nuclear, and clean fossil fuels."

A former ComEd senior executive and president of Trans-Elect Development Company, LLC, McCoy is widely regarded as an electrical-transmission systems expert and thought-leader on regulatory matters that have created new opportunities and directions in the energy industry. President Obama's challenge to the country to produce 80 percent of its electricity from a mix of clean energy sources by 2035 underscores the role of the massive AWC project, slated to break ground in 2013.

"This project is transformative in that it would be the first U.S. effort to construct a transmission system in the ocean to integrate individual offshore wind farms and bring the energy to shore," McCoy explains.

AWC investors are Good Energies, a leading global investor in renewable energy and energy-efficiency industries; Google, Inc.; and the Marubeni Corporation, a Tokyo-based publicly listed trading house.

In his 27 years with ComEd, McCoy became a recognized industry leader and regulatory specialist, assuming responsibility for all aspects of the company's transmission and power systems, including governance and policy issues. He initiated and developed ComEd's Wholesale Energy Marketing Group and was instrumental in the formation of the Chicago Board of Trade's electricity futures contract.

During his tenure, the nation's power market was undergoing dramatic change, and in 1996, the Federal Energy Regulatory Commission (FERC) ordered utilities to open up their transmission lines to competitors. McCoy expanded his leadership role beyond ComEd while exploring opportunities created by deregulation. He led the formation of the Midwest Independent Transmission System Operator, Inc. and is a board member and immediate past-president of WIRES, a national nonprofit group that promotes and advocates for the economic expansion of a strong electric power infrastructure.

Paul McCoy (EE '72)

MORE ONLINE

In 1999, McCoy co-founded the startup Trans-Elect. The first independent transmission company in the United States, Trans-Elect buys, builds, owns, and/or operates electric transmission systems to improve reliability in areas served by aging or overloaded regional power grids. This includes application of advanced technologies—such as discrete transmission, which foregoes traditional aerial lines—to increase efficiency of an existing grid and even facilitate smart grid integration. The company also serves as a transmission “common carrier” between electric generation and electric distribution companies.

From its inception, Trans-Elect has been involved in historic electric transmission transactions. It was the first non-utility owner of a transmission system in the nation, and was the first independent transmission company—now known as AltaLink—in Canada. Trans-Elect also developed California’s Path 15 transmission line, in a project to help solve the transmission shortcomings that contributed to the state’s rolling blackouts in 2000 and 2001.

“What will phase out in the coming decade or two will be legacy coal—coal developments that are from 20–50 years old. Some plants will be retrofitted with control technology to mitigate pollution issues; the oldest ones will quietly be retired,” says McCoy.

Atlantic Wind Connection: <http://atlanticwindconnection.com>

DOE Wind and Water Power Program: <http://www1.eere.energy.gov/windandhydro>

Energy efficiency and reliability remain a central focus of Trans-Elect, and the thrust behind the company’s Primary Power Transmission System, which it is building in partnership with Tangible, LLC, an engineering and professional-services firm. Primary Power, a discrete grid system, has been designed to attach to the existing Pennsylvania, New Jersey, Maryland Power Pool Interconnection (PJM) regional grid to help relieve congestion and increase stability within the PJM Interconnection, which currently serves 54 million people.

In April 2010, Primary Power received a landmark ruling that could change the path of transmission development across the nation when the FERC decided that the project could recover its costs through regulated rates like any other existing transmission utility within PJM. The decision opened the door for independent transmission facilities, such as the Primary Power project, to be treated on equal footing with incumbent transmission owners in proposing new transmission projects. In addition to being the technical lead for Trans-Elect, McCoy directed the company’s law firm as the client architect of the filing and provided testimony during the case.

“Paul is a bold and visionary engineer who has big ambitions when undertaking projects. He puts his heart and soul into his work,” says Bodine Chair Professor Mohammad Shahidehpour, director of the Galvin Center for Electricity Innovation at IIT.

“I have always viewed the provision of electric service as critical to society’s safety, health, and welfare,” says McCoy. “Continuity of electric supply is increasingly important, whether from the common-carrier utility system or from cutting-edge projects like the IIT microgrid. Today’s electric system, especially the transmission portion where I spend most of my professional time, has become more efficient and reliable over the past several decades. I take a great deal of pride in having been a small part of that.” ■

ATLANTIC WIND CONNECTION

A telescopic view atop a wind farm turbine rising 200 feet above the Atlantic Ocean and 20 miles from shore would reveal a region in transition. Stretching across New Jersey, Delaware, Maryland, and Virginia is a new wind industry supporting manufacturers of turbine blades, rotors, hubs, and bearings; tool and die shops producing molds and precision-cut parts; and heavy haulers for transporting turbine towers, which can weigh as much as 80 metric tons, to the coast.

Long-distance cables snake beneath the seabed, transmitting wind energy from offshore electrical converter platforms to land-based ones that deliver the power to the PJM (Pennsylvania, New Jersey, Maryland Power Pool) Interconnection regional grid. The turbine is one of a series that form a 350-mile scalable transmission backbone capable of providing 6,000 megawatts of electricity—the average yearly output of six coal-powered plants—to approximately 1.9 million households.



CYNTHIA "C. J." WARNER (M.B.A. '87)



Green, Lean, and Clean

THROUGH THE PROCESS OF PHOTOSYNTHESIS, one of Earth's first organisms—algae—enabled the evolution of higher life forms by converting water and carbon dioxide into sugars and oxygen. Today, as fossil fuel sources are dwindling, researchers are looking to these simple progenitors as a key element in the survival of the human race.

Cynthia "C. J." Warner (M.B.A. '87) so believes that algae fuel can be a direct replacement for fossil fuel that she traded her nearly 30-year career in Big Oil to join a startup with a big vision: to change the world by developing a domestic, renewable source of energy that benefits the environment and hastens America's energy independence.

"I feel strongly that we need to start working now to develop good and viable alternatives to crude, or face the inevitable crisis of major crude oil shortages," says Warner from the San Diego headquarters of Sapphire Energy, Inc., a pioneer in the algae-as-biofuel movement. "The energy market is so large that alternative supplies need to be very well developed before they make much difference at all, and

The United States Department of Energy first explored the use of algae as a fossil-fuel alternative after the oil crisis of the 1970s. During that period, Warner was a chemical engineering major at Vanderbilt University and completing a summer internship at the Amoco Research Center (where she met her husband, Dave [ME '90]), not far from her hometown of Glen Ellyn, Ill. While industry was searching for new fuel options and processing techniques, society was becoming increasingly aware of its role as environmental steward.

"Coupling these very meaningful challenges with the technological innovation required to address them made for an irresistible combination," she says. "I was hooked and ready to become part of the energy solution."

Warner began working at Des Plaines, Ill.-based UOP LLC before moving on to the Amoco Corporation and British Petroleum, advancing in key operational leadership positions. Her industry achievements here and abroad include turning around BP's U.S. refining business and developing long-term technology strategies for low-carbon and sustainable fuels. Warner was tapped for the role of Sapphire Energy president while she was living in London, serving as BP's group vice president for global refining.

"C. J. brought world-class industrial discipline to Sapphire," says Stephen Mayfield, a Sapphire Energy co-founder and director of the San Diego Center for Algae Biotechnology. "That does not mean rigid or unimaginative; in fact, it means just the opposite. It means an ability to integrate a variety of scientific disciplines including biology, engineering, chemistry, and economics into an efficient production process. A person who can do that is hard to find, but C. J. is that person."

The company has a test and demonstration site in Las Cruces, N.M., where algae strains are developed, and is building an Integrated Algal Biorefinery near Columbus, N.M., projected to be complete in 2012. The refinery, which will have an output of 100 barrels of Green Crude per day, will show how algal oil can be produced on a continuous commercial scale and refined into Jet A and diesel fuels, and petroleum. By 2015, the company expects to be cost-competitive with \$75-per-barrel crude.

"Replacing liquid transportation fuels is arguably one of the greatest challenges facing our nation today. It took us hundreds of years to move from wood to whale oil, and 100 more to shift from whale oil to crude oil," says Warner. "Unfortunately, we don't have another 100 years. To have a chance at offsetting the inevitable declines, our industry needs to have a set of solutions in place that are technically solved, ready-to-scale." ■

I was hooked and ready to become part of the energy solution.

—Cynthia "C. J." Warner (M.B.A. '87)

developing such significant volumes of truly viable substitutes takes time. That's why I am now devoting all of my own attention to developing Green Crude—a sustainable, low-carbon, scalable substitute for crude oil," she explains.

On the top 10 list in *Biofuels Digest*'s "The 50 Hottest Companies in Bioenergy for 2010–2011," Sapphire Energy has been drawing attention since its founding in 2007. The following year, the company produced the world's first batch of 91-octane fuel made from a renewable source. In a 2009 test run, Green Crude was used in a biofuel-traditional fuel blend to power a Continental Airlines 737 jet, yielding a 1.1 percent increase in fuel efficiency and a 60–80 percent emissions reduction over traditional jet fuel.

MORE ONLINE

Sapphire Energy: www.sapphireenergy.com

San Diego Center for Algae Biotechnology: <http://algae.ucsd.edu>

Algal biofuel: www.time.com/time/specials/packages/article/0,28804,2030137_2030135_2021648,00.html

classnotes

1940s

Chester Gaynes

(ME '41), Skokie, Ill., celebrated his 90th birthday on September 30, 2010.

Warner Eliot

(EE '47), Winchester, Va., a member of the IIT Navy V-12 program, retired from The MITRE Corporation, a not-for-profit spinoff from Massachusetts Institute of Technology.

Charles Ticho

(EE '48), Hackensack, N.J., remains active as president of Performance Designs, Inc., a company that stages conventions and conferences worldwide.

1950s

Morton Nemiroff

(CHE '50), Kailua, Hawaii, has lived in Hawaii for more than 50 years and has been an admission volunteer for 35 years.

James Stice

(M.S. CHE '52, Ph.D. '63), Austin, Texas, received the Benjamin Garver Lammé Award at the annual conference of the American Society for Engineering Education in June 2010.

Donald Wroblecki

(ARCH '54), Bannockburn, Ill., had his Mies van der Rohe-influenced home featured in the 2010 book *Julius Shulman: Chicago Midcentury Modernism*. The book also includes the home of H. P. Davis Rockwell (ARCH '57).

Harvey Leff

(PHYS '59), Portland, Ore., taught college-level physics for more than 40 years. Emeritus professor of physics at California State Polytechnic University, he is now a visiting scholar at Reed College in Portland.

1960s

Walter Goldstein

(CHE '61), Las Vegas, published the book *Sick Building Syndrome and Related Illness: Prevention and Remediation of Mold Contamination*.

Norbert Pointner

(ARCH '61, M.S. CRP '62), Wheaton, Ill., gave the presentation "Site Planning for Sustainability" at the Upper Midwest Planning Conference. His article "Ten Habits of a Good Planning Commissioner" appeared in the American Planning Association publication *The Commissioner*.

Robert Gordon

(ARCH '63, M.S. CRP '67), Chicago, released his new book *Residential Design Studio* (2010 Fairchild Books).

Jack Weiss

(DSGN '65), Evanston, Ill., is principal of Jack Weiss Associates, an Evanston-based design firm he started in 1977. He is president of Design Evanston, an organization of design professionals promoting good design in Evanston. He was recently appointed to the Evanston Preservation Commission.

Ellis Hoffman

(DSGN '66), Northfield, Ill., retired from Chicago Public Schools after 34 years of designing more than 80 theatrical settings. He and his wife, Marla, enjoy visiting their grandson in St. Paul, Minn.

Deepak Bammi

(M.S. IE '68, Ph.D. '72), Barrington, Ill., was inducted into the INFORMS Hall of Fame in April 2009 for 35 years of leadership in the management sciences. He is president of Research, Optimization and Logistics, a consulting company based in Illinois.

1970s

Subhash Valanju

(M.S. IE '68), Brookfield, Wis., retired as vice president and global chief information officer for Johnson Controls, Inc. He and his wife, Nina, enjoy staying healthy, traveling, doing social work, and being with family and friends.

Leon J. Hoffman

(PSYC M.S. '69, Ph.D. '70), Chicago, continues to enjoy the practice of clinical psychology. In April 2010, he became a grandfather to Benjamin, who joins his sister, Abigail, age 4.

Robert Johnson

(CE '69, M.S. '71), Buffalo Grove, Ill., received a 2010 Robert Cornforth Award. He is a senior engineer for Bowman, Barrett & Associates Consulting Engineers.

John Pikarski

(LAW '69), Chicago, a zoning attorney, presented at a symposium in Warsaw, Poland, sponsored by the Warsaw Board of Realtors.

→ Dennis Schermerhorn

(BE '69, LAW '76), Indian Head Park, Ill., is an attorney with Richard Connor Riley & Associates, LLC in Burr Ridge, Ill.

1970s

→ Richard Hart

(MATH '70), Willowbrook, Ill., and his wife, Marcy, live in Willowbrook and enjoy spending time at their home in Destin, Fla.

Gautam Mahajan

(M.S. MECH '70), New Delhi, India, was named as the national president of the Indo-American Chamber of Commerce, the only bi-national chamber in India focused exclusively on Indo-United States economic engagement.

Share Your News!

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Gerald Wilks

(MET '72, M.A.S. '82, M.A.S. CHE '05), Homewood, Ill., works at the CITGO Lemont Refinery as a senior metallurgy and corrosion engineer.

→ Joseph Lucca

(CE '73), Elmhurst, Ill., is a senior manager with USG Corporation in Chicago. He and his wife, Mary, have five children, ages 17 to 30, and enjoy traveling.

Predrag Popovic

(M.S. CE '73), Lincolnwood, Ill., vice president and senior principal for Wiss, Janney, Elstner Associates, Inc., began serving his three-year term as president of the International Association for Bridge and Structural Engineering.

Robert Benjamin

(LAW '75), Wilmette, Ill., recently joined Golan & Christie as a partner in its reorganization and bankruptcy practice.

John Erb

(LAW '76), Northport, Mich., serves as chairman of the Board of Trustees of Munson Medical Center in Traverse City.

Jeffrey Fang

(M.S. CS '76, Ph.D. '82), Oak Brook, Ill., and his firm, CleNET International, LLC, was named as the Chicago Minority Global Technology Firm of the Year at Chicago Med Week 2010.

→ Paul Katz

(LAW '76), Scottsdale, Ariz., has retired from the bench. He has four children.

Thomas Allen

(LAW '77), Chicago, was appointed as a judge in the Circuit Court of Cook County.

Scott Beller

(LAW '77), Skokie, Ill., practices in the area of immigration law. He has been a cellist with the Chicago Bar Association Symphony Orchestra for the past 10 years.

Sybil Malinowski Melody
(LAW '77), Jerome, Ariz., plans to retire in April 2011 and then consult for the Federal Home Loan Banks on a part-time contract basis.

→ **Darshan Rawal**
(M.S. EA '77), Glendale Heights, Ill., retired as senior civil/structural engineer from Ambitech Engineering Corporation. He and his wife, Raj, have been married for 54 years. They have three daughters and six grandchildren.

Lanning Hochhauser
(LAW '78), Hinsdale, Ill., practices in the ERISA/pension area. He is a member of the American Society of Pension Professionals and Actuaries, for which he is co-chair of the Government Affairs Committee's plan documents subcommittee.

Kevin Klein
(MGT '78), Phillips, Wis., is a candidate for president-elect of the State Bar of Wisconsin.

Maureen Connors
(LAW '79), Chicago, a Cook County Circuit Court judge, was assigned to the Illinois Appellate Court.

Juleann Hornyak
(LAW '79), Springfield, Ill., retired as Clerk of the Illinois Supreme Court after more than 28 years in the position.

1980s

Byron Dunn
(CHE '80), Houston, was appointed as president, chief executive officer, and member of the Board of Directors of CAMAC Energy.

Gini Marziani
(LAW '80), Chicago, reports all three of her sons are in college.

Robert Matanky
(LAW '80), Chicago, was the recipient of The Hillels of Illinois Exemplary Leadership Award presented at the 20th annual benefit in June 2010.

Tony Shu
(LAW '80), Chicago, continues his private practice serving corporate and individual clients from China and Hong Kong doing business in Chicago. He was recently elected president of the Chicago Chinatown Chamber of Commerce.

Susan Skora
(LAW '80), DeWitt, Iowa, received the 2010 Outstanding Planned Giving Professional Award at the Quad Cities National Philanthropy Day celebration. She is president and chief executive officer of the Community Foundation of the Great River Bend, serving 17 counties in eastern Iowa and western Illinois.

William Hooks
(LAW '81), Chicago, was elected a judge in the Circuit Court of Cook County.

Souran Manoochehri
(ME '81), Westfield, N.J., a professor of mechanical engineering at Stevens Institute of Technology, was elected a fellow of the American Society of Mechanical Engineers.

Edward Monser
(EE '81), St. Louis, chief operating officer for Emerson, was named to the additional position of president.

Heidi Rank
(ARCH '81), San Luis Obispo, Calif., has been working in the architecture, construction, facilities, and construction management fields for more than 20 years. She currently works for Gilbane Building Company as a pre-construction manager on a large bond program for the Palo Alto Unified School District.

Patrick Lustig
(LAW '82), Hickory Hills, Ill., was transferred to the Law Division of the Circuit Court of Cook County as a trial judge. He and his wife, Meg Gallagher Lustig (LAW '82), have three children.

Alfred Swanson
(LAW '82), River Forest, Ill., was appointed to the bench of the Cook County Circuit Court.

Peter Birnbaum
(LAW '83), Chicago, president and chief executive officer of Chicago-based Attorneys Title Guaranty Fund, Inc., was appointed to the Board of Governors of the American Land Title Association for the 2010–11 year.

Robert Collins
(LAW '83), Chicago, a partner at Swanson, Martin & Bell, LLP, was named a fellow of the American College of Trial Lawyers.



ALUMNUS EARNS NATIONAL RECOGNITION

Manu K. Vora (M.S. CHE '70, Ph.D. '75), Naperville, Ill., is a recipient of the 2011 Ellis Island Medal of Honor. The medal recognizes the immigrant experience as well as individual achievement.

Chairman and president of Business Excellence, Inc., Vora is a founding director and president of the Blind Foundation for India (BFI). He also has served on the Board of Directors of the American Society for Quality (ASQ), which awarded Vora its Distinguished Service Medal. Vora has been honored with the IIT Professional Achievement Award and the IIT

International Alumni Leadership Award.

Vora is also the recipient of a 2011 President's Call to Service Award in recognition of his more than 8,000 hours of volunteer service with BFI, Save The Children Federation, ASQ, the IIT Alumni Awards judging team, and Pratham Chicago Chapter.

Michael Hettwer
(EE '83), Chicago, was one of the organizers of the 2010 TEDxMidwest conference.

Judith Wertheimer
(LAW '83), Greenwich, Conn., recently retired from the board of The Breast Cancer Alliance, a Greenwich organization that raises more than \$1.5 million annually to fund breast cancer research.

→ **Joel Whitehouse**
(LAW '83), Lemont, Ill., is in private practice. He has two children, ages 11 and 13.

Prasad Kodukula
(Ph.D. ENVE '84), Chicago, founder and president of Kodukula & Associates, Inc., received the 2010 Project Management Institute Distinguished Contribution Award.

Mary Barreca
(LAW '85), Baltimore, is managing attorney for claims and litigation at The Johns Hopkins Health System.

Beverly Berneman
(LAW '85), Northbrook, Ill., recently joined Golan & Christie as a partner in its intellectual property and reorganization and bankruptcy practice.

Ann Collins
(LAW '85), Oak Park, Ill., was elected a Circuit Court Judge in the 11th Subcircuit in Cook County.

Jeffrey Conen
(LAW '85), Milwaukee, Wis., took part in The Sir Richard May Seminar on International Law and International Courts, held in The Netherlands last fall. He observed proceedings at the Yugoslav War Crimes Tribunal, the Special Court for Sierra Leone, the International Criminal Court, the International Court of Justice, and the Iran–United States Claims Tribunal.

Paul Eckhoff
(LAW '85), Wheaton, Ill., a partner at Eckhoff & Massarelli, is a member of the DuPage County Board.

Jamie Freveletti
(LAW '85), Chicago, wrote the thriller novels *Running Dark* (2010 HarperCollins) and *Running from the Devil* (2009 HarperCollins), both of which are international bestsellers. Her third, *The Ninth Day*, will be released in October. The Estate of Robert Ludlum (of *The Bourne Identity* books and movies) has asked her to write a novel for his *Covert-One* series.

Kurt Karnatz
(ME '85), Chicago, was promoted to president at Environmental Systems Design, a global engineering consultancy specializing in the sustainable design of the built environment.

Peter Kopoulos
(LAW '85), Park Ridge, Ill., practices in the areas of personal injury and workers' compensation at his own firm.

Joy Shulruff
(LAW '85), Deerfield, Ill., works at APAC Customer Services, Inc. in Bannockburn.

Perry Smith
(LAW '85), Waukegan, Ill., works for a small general-practice firm in Waukegan. He is first vice president of the Lake County Bar Association and will become LCBA president on June 1, 2011.

Robert White
(LAW '85), Jefferson, Wis., entered senior judge status last June.

Gloria Morris
(LAW '87), Manitowoc, Wis., was promoted to first assistant public defender in Vermilion County, Illinois, in December 2010.

Bradley Walker
(M.S. CS '87), Naperville, Ill., is regional vice president for Eagle Creek Software Services.

John Callahan
(LAW '88), Western Springs, Ill., was elected Circuit Court Judge in Cook County.

Kirankumar Topudurti
(Ph.D. ENVE '88), Champaign, Ill., the deputy director of the U.S. Army Construction Engineering Research Laboratory in Champaign, was named as a fellow by the American Association for the Advancement of Science.

Bruce Brda
(M.B.A. '89), Barrington, Ill., senior vice president and general manager of Motorola's Wireless Networks Business, was appointed to the Board of Directors for Eden Rock Communications.

Peter Roskam
(LAW '89), Wheaton, Ill., was elected to a third term as a United States Representative for the 6th Congressional District of Illinois.

alumni news

1990s

Harold Fassnacht

(LAW '90), Chicago, moved his patent practice to Miller, Matthias & Hull in 2009.

Wendy Schauer Landwehr

(M.S. CS '90), Arlington Heights, Ill., a software engineer for Northrop Grumman Corporation, was named as a 2010 fellow of the Society of Women Engineers.

Michael Rothmel

(LAW '90), Mount Holly, N.J., is a member of the Family Law American Inns of Court.

Ming Zhang

(M.A.S. ARCH '90), Bellevue, Wash., was appointed president of the architecture firm MulvannyG2 Architecture.

James Haney

(M.S. DSGN '91), Barrington, Ill., was appointed general manager of DPCI-Chicago.

Frederick Stein

(LAW '91), Oakbrook Terrace, Ill., is the general counsel of Redbox DVD rentals.

Anthony Coco

(LAW '93), Glen Ellyn, Ill., was selected as associate judge in the 18th Judicial Circuit in DuPage County.

Randall Hultgren

(LAW '93), Winfield, Ill., was elected U.S. Representative for the 14th Congressional District of Illinois.

Anne Marovich

(LAW '93), Birmingham, Ala., was named director of alumni relations at Samford University Cumberland School of Law.

Joshua Phiri

(Ph.D. PHYS '94), Florence, S.C., principal investigator at the South Carolina Advanced Technological Education National Resource Center, was awarded a \$1.6 million National Science Foundation grant to support its Advancing Faculty Development and Program Improvement plan.

Kwame Raoul

(LAW '93), Chicago, was elected Illinois State Senator for the 13th Legislative District.

Mikhail Romalis

(PHYS '93), Princeton, N.J., married Meredith Isaac in January. He is a professor of physics at Princeton University.

Arthur Wilhelmi

(LAW '93), Joliet, Ill., was elected Illinois State Senator for the 43rd Legislative District. He is a partner at Murer, Brick & Wilhelmi, LLC.

Ann Cresce

(LAW '94), Long Grove, Ill., general counsel and head of compliance for the Hong Kong Mercantile Exchange, was named to the 2011 DirectWomen Board Institute.

Gary Grant

(LAW '94), Keller, Texas, is vice president for institutional advancement at the University of North Texas Health Science Center in Fort Worth.

Brian Heidelberger

(LAW '94), Chicago, a partner at Winston & Strawn LLP, was named chairman of the firm's advertising, marketing, and entertainment law practice.

→ Walter Kawula

(LAW '94), Chicago, is a partner at Husch Blackwell. He has four children, the oldest age 16.

Scott Krone

(M.A.S. ARCH '94), Wilmette, Ill., was awarded the 2010 Green GOOD DESIGN Award presented by The Chicago Athenaeum Museum and The European Centre for Architecture Art Design and Urban Studies.

→ Nancy Marinello

(LAW '94), Naperville, Ill., is retired from AT&T.

Linda Mastandrea

(LAW '94), Chicago, was inducted into the National Italian American Sports Hall of Fame, and the Chicagoland Sports Hall of Fame. In both cases, she was the first female Paralympic athlete to receive the honor.

Brian Reilly

(LAW '94), Naperville, Ill., joined the firm Willamette Management Associates as the director of forensic analysis and dispute services.

Alejandro Alvarez

(ME '95), Las Vegas, is a physician at Hamilton Memorial Hospital in McLeansboro, Ill.

→ Jennifer Hartenbower

(LAW '95), New River, Ariz., is in solo practice. She has two daughters, ages 10 and 12.

Craig Kenmotsu

(CE '95), Downers Grove, Ill., joined the Food and Beverage Project Delivery team of CSM Group as a senior construction manager.

Lerry Knox

(MET '95), Chicago, was awarded the Marshall Memorial Fellowship for 2011 through the German Marshall Fund of the United States.





Laura Liss
(LAW '95), Chicago, joined Patzik, Frank & Samotny Ltd. in July 2010 as a partner and head of the Employment Law Practice Group.

Lutfi Ozyuzer
(M.S. PHYS '95, Ph.D. '99), Chicago, is associate professor of physics at Izmir Institute of Technology in Izmir, Turkey, and visiting professor at the University of Erlangen-Nürnberg, Germany.

Michael Alilovich
(M.S. EE '96), Valparaiso, Ind., is in the Intellectual Property Management and Markets Program at IIT Chicago-Kent College of Law.

Dorothy Brown
(LAW '96), Chicago, clerk of the Cook County Circuit Court, was appointed to the national Arts and Culture Commission of the National Association of Counties.

Dave and Katie Lubke
(both ME '96), Milan, Mich., welcomed a new baby boy, Joseph Douglas, last May. The Lubkes have two other children.

Irena Luciferdi
(ME '96), Woburn, Mass., is chief executive officer for SOFAR Acoustics. She and her husband have been married for six years.

Laurel O'Sullivan
(LAW '96), Chicago, was promoted to vice president of public policy for Donors Forum.

Andrew Scott
(LAW '96), Chicago, was recently included in the legal referral guide *Best Lawyers in America*. He is an attorney with Dykema.

Timothy Tracey
(ARCH '96), Chicago, joined the architecture firm SmithGroup as design director.

Roger Zimmerman
(LAW '96), Stow, Mass., joined the Massachusetts firm Bowditch & Dewey, LLP as counsel in the intellectual property practice area.

Kevin Gross
(LAW '97), Chicago, was married in August 2010. He is employed as a senior litigation attorney in the GEICO insurance company's Chicago Staff Counsel Department.

Jonathan Wolfe
(LAW '97), New York, represents buyers, sellers, renters, and landlords in the New York area.

Robert Brevelle
(CS '98, M.S. '98), Rowlett, Texas, was appointed vice president of business development for Airborne ISR at DRS Defense Solutions.

Grace Duffin
(LAW '98), Chicago, was appointed by Governor Pat Quinn as acting secretary of the Illinois Department of Human Services.

Hillary Frommer
(LAW '98), New York, was promoted to counsel in the commercial litigation department at Farrell Fritz, P.C.

Howard Huntington
(LAW '98), Mount Prospect, Ill., was awarded the Harrison Legal Writing Award (second place) and \$1,000 by the Indiana State Bar Association for his article entitled "Expanding While Contracting: The Dynamic State of Negligent Infliction of Emotional Distress in Indiana," published in the March 2010 issue of *Res Gestae*, the monthly journal of the Indiana State Bar Association. Huntington also headed a daylong clinic for 30 area Boy Scouts on behalf of the Chicago Chapter of the National Eagle Scout Association at the law offices of Williams Montgomery & John Ltd., where he is a partner.

Ronald Amato
(LAW '99), Naperville, Ill., joined the newly formed law firm of Eccleston Law Offices, P.C. in Chicago. He and his wife, Amy, recently welcomed their second child, a daughter.

Donna Heidkamp
(M.S. FMT '99), Chicago, was appointed as president of RJO Futures, the private client division of R.J. O'Brien & Associates, the largest independent futures brokerage firm in the United States.

Matthew Sobolewski
(LAW '99), New York, joined the law firm Seiger Gfeller Laurie LLP as a partner.

2000s

Patrick Bourbon
(M.S. FIN '00), Chicago, joined ProManage as chief investment officer.

Melody Farance
(LAW '00), Spokane, Wash., was named partner with the law firm of Stamper Rubens, PS.

Graduation is only the beginning.

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By making a donation to the IIT Fund or IIT Alumni Scholarship Fund, you directly helped current students to realize their academic dreams. IIT and IIT students depend on the generosity of alumni and friends to make the IIT educational experience possible.

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Brent Gustafson
(LAW '00), Chicago, is senior e-discovery consultant at BlueStar Case Solutions. He and wife, Heather, are parents of a boy born last year.

Nancy Westwick
(LL.M. FNS '00), Algonquin, Ill., was named as chief compliance officer for R.J. O'Brien & Associates.

Haskell Garfinkel
(LAW '01), Lincolnwood, Ill., joined PwC US (PricewaterhouseCoopers LLP) as a financial services tax partner in the greater Chicago market.

Denis Weil
(M.Des. '01), Chicago, was named among the 2010 Masters of Design by *Fast Company*. He is vice president of concept and design for McDonald's.

Angelic Young
(LAW '01), Hyattsville, Md., is working for the Department of State, coordinating programs to rebuild the capacity of the government of Haiti. She is also an adjunct faculty member for the Peace Operations graduate program at George Mason University.

Sara Beardsley
(ARCH '02), Chicago, a senior architect with Adrian Smith + Gordon Gill Architecture LLP, was named one of *Crain's* 40 Under 40 for 2010.

Leslie Johnson
(LAW '02), Yorkville, Ill., is employed as an assistant state's attorney, Civil Division, for the Kendall County Office of State's Attorney.

Patricia Boye-Williams
(LAW '03), Bemidji, Minn., is a law clerk for The Honorable John G. Melby of the Ninth Judicial District of Minnesota.

Irina Slavina
(LL.M. MAL '03, LAW '09), Chicago, and her husband, Matthew Peterson, welcomed baby boy Alexander Christopher Peterson in November 2010.

Jason Sposeep
(LAW '03), Chicago, is a litigator with Schiller DuCanto & Fleck, practicing family law. He is an officer on the Board of Directors of the Collaborative Law Institute of Illinois.

Stacie Sundquist
(LAW '03), Los Angeles, is a partner at the law firm Blakely Sokoloff Taylor Zafman LLP.



Timothy Grochocinski
(PPCI '04), St. Louis, of The Simon Law Firm, was named among the 2010 Up & Coming Lawyers by *Missouri Lawyers Weekly*.

Craig Shapiro
(LAW '04), Chicago, welcomed a new son, Harrison, last April.

Kara Szpondowski
(LAW '04), Chicago, was named a partner at Niro, Haller & Niro. She focuses on patent litigation.

Maribeth Whitfield
(LAW '04), Chicago, is an associate with Stahl Cowen Crowley Addis LLC, where her practice is focused on commercial litigation and land use/zoning. She was named as a Rising Star in the *Super Lawyers* 2011 edition. She and her husband, Jason, welcomed a baby girl, Helena Katheryn, last November.

Marcie Zinn
(Ph.D. PSYC '04), Dublin, Calif., recently became a member of a research team at Stanford University Medical Center in the Department of Infectious Diseases and Geographic Medicine.

Sarah Holmes
(LAW '05), Philadelphia, recently launched a beauty company, Gritty City Cosmetics, specializing in natural and organic beauty products.

Brian Augustine
(LAW '06), Cincinnati, an associate with Roetzel & Andress, was admitted to the Kentucky Bar.

Geetu Naik
(PPCI '06, LAW '10), Chicago, was sworn in as assistant state's attorney during a ceremony in downtown Chicago.

David Oskin
(LAW '06), Chicago, launched Caliber IP, LLC, an intellectual property law firm.

Danielle and Jake Philipson
(both M.A.S. HP '06), Kincardine, Canada, were interviewed for the May 8, 2010 issue of *APS News*. The article "Training Physics Professionals for the Nonacademic Workforce" highlighted professional master's degrees in physics. Danielle Philipson is lead auditor at Bruce Power. Jake Philipson currently works for Ontario Power Generation.

Jay Carle
(LAW '07), Glen Ellyn, Ill., is a litigation associate in the Chicago office of Seyfarth Shaw LLP, focusing on issues associated with electronic discovery and other high-technology matters.

Andrew Graap
(LAW '07), Des Moines, Iowa, was appointed senior counsel for John Deere Financial.

Michelle Koeth
(LAW '07), Alexandria, Va., was selected to participate in the inaugural class of the 2011 Code for America Fellows. The Code for America program pairs Web developers with city governments.

Sunney Kohlhoss
(LAW '07), Chicago, opened her firm, SK Law, P.C., dedicated to family law matters including divorce, child custody, child support, and paternity.

Julia Lissner
(LAW '07), Chicago, joined the office of Ulmer & Berne LLP as an associate attorney in its business litigation group, with a focus on matters involving financial institutions.

Joel Roberson
(LAW '07), Arlington, Va., is a fourth-year associate in the government practice of Holland & Knight in Washington, D.C.

Michael Salazar
(B.A.C. INTM '07, M.A.S. ITO '10), Hanover Park, Ill., is the current president for the Society of Hispanic Professional Engineers Region VI, Chicago Professional Chapter. He works in the Chicago area as director of corporate and engineering at Cloverhill Bakery.

Stanislav Stoupin
(Ph.D. PHYS '07), Willowbrook, Ill., co-authored the article "High-reflectivity High-resolution X-ray Crystal Optics with Diamonds," which appeared in the January 17, 2010 issue of *Nature Physics*. He is currently a postdoctoral appointee at Argonne National Laboratory.

Jason Tenenbaum
(AE '07), Redondo Beach, Calif., is a systems engineer in Dragon Spacecraft Operations at SpaceX (Space Exploration Technologies).

Micah Hamstra
(LAW '08), Chicago, started his own law firm, Hamstra Law Group, a litigation and general practice law firm that handles a wide variety of cases.

Kristen Jeschke
(LAW '08), Portsmouth, N.H., is a Ph.D. candidate in history at the University of New Hampshire.

Hyungssoon Jung
(LAW '08), Seoul, South Korea, is managing counsel in the newly established company PT Krakatau POSCO.

Lakshmi Subbarao
(M.A.S. ACHM '08), Newark, Del., was profiled in the article "Professional Science Master's Degrees" in the June 18, 2010 issue of *Science Careers*. Subbarao currently works for TharSFC, a Waters Company.



COMPUTER SCIENCE PIONEERS

IIT honored early pioneers of computing at an on-campus luncheon in April. With Department of Computer Science Chair Xian-He Sun [left to right] are Anthony Wojcik, former IIT faculty member and CS chair; Professor Emerita Martha Evens; Professor Emeritus Peter Greene; Carma McClure (M.S. CS '72, Ph.D. '76), recipient of IIT's first CS doctorate; Robert B.K. Dewar, former IIT faculty member; and Dean of the College of Science and Letters Russell Betts. Not pictured: Chemistry Professor Peter Lykos and John P. Cole (PSYC '74, M.S. CS '75), who also were honored.

Photo: Evan Venie

JOIN US AT THE

COLLENS SCHOLARS OPEN

2011



IIT President John Anderson with Trustees Jules Knapp, Ralph Wanger, and Bud Wendorf at the Collens Scholars OPEN 2010

Monday, July 25, 2011

Medinah Country Club (Course #3)
Medinah, IL

Help make a difference in the life of a Chicago Public Schools student.

Proceeds from this fundraising event will benefit the Collens Scholars Program for CPS students at IIT.

For more information and to register:

www.golfinvite.com/iitcollensscholars
or email: carr@iit.edu

Alayna George Thompson
(MBB '08), Tucson, Ariz., is a Ph.D. candidate in biochemistry, now in her third year at the University of Arizona. She was awarded a fellowship from the Science Foundation Arizona for her first two years of study, and is now supported by a grant from the National Institutes of Health. Thompson works in the lab of Megan McEvoy, studying metal-resistant bacteria.

Lei Wu
(Ph.D. EE '08), Potsdam, N.Y., was appointed assistant professor of electrical and computer engineering at Clarkson University.

Matthew Kovalcik
(LAW '09), Highland Park, Ill., joined the firm Deutsch, Levy & Engel Chartered as an associate in its banking and commercial litigation group.

Lopamudra Mohapatra
(LL.M. ICLP '09), New Delhi, India, joined Khaitan & Co LLP, working as a part of its corporate team with clients from United States and United Kingdom.

Fatouma Alimirah
(M.S. BIOL '05, Ph.D. '10), Chicago, was featured as a grant awardee by the National Institutes of Health Center to Reduce Cancer Health Disparities, Diversity Training Branch for her work in cancer biology.

Renee Arrowood
(BA '10), Waterford, Conn., works for Brown University Human Resources in the Benefits Office as a benefits data coordinator.

Natalie Boulahanis
(LAW '10), River Forest, Ill., was sworn in as assistant state's attorney during a ceremony in downtown Chicago.

Ryan Gibson
(LAW '10), Chicago, opened Kennalley & Gibson LLC, a full-service law firm.

Kevin Gullikson
(PHYS '10), Andover, Minn., enrolled in the graduate program at The University of Texas at Austin.

Katrice Hall
(LAW '10), Chicago, is an assistant attorney general in the Illinois Office of the Attorney General, working in the office's Special Litigation Bureau.

Jin-Won Jung
(LAW '10), Chicago, joined Michael Best & Friedrich LLP as a member of the intellectual property practice group.

Nicholas Kazmerski
(LL.M. FNS '10), Jacksonville, Fla., is a senior attorney with the professional liability group of the Federal Deposit Insurance Corporation.

Brian Kennalley
(LAW '10), Chicago, opened Kennalley & Gibson LLC, a full-service law firm.

Emily Mick
(CHEM '10), Highland Park, Ill., was accepted into pharmacy school at the University of Illinois at Chicago.

Charles Prochaska
(LAW '10), Orland Park, Ill., was sworn in as assistant state's attorney during a ceremony in downtown Chicago.

Matthew Rose
(LAW '10), Chicago, is an associate at StellatoSchwartz, a firm focusing on civil litigation and insurance matters.

Ilana Bamberger Spector
(LAW '10), Chicago, joined Quarles & Brady LLP as an associate in the health law group.

Jordan Tank
(LAW '10), Chicago, is an associate at StellatoSchwartz, a firm focusing on civil litigation and insurance matters.

SEE WHAT'S NEW THROUGH VELOCITY

The Velocity Initiative is revealing new and exciting information about your fellow classmates. In this and future issues of *IIT Magazine*, all alumni class notes that resulted from a Velocity interview are marked with the → icon.

To submit your own class note online, visit www.iit.edu/alumni or write to us at alumni@iit.edu.



Bob Zweig (ME '92)

Ace of Diamonds

by BENJAMIN GLEISER

BOB ZWEIG (ME '92), vice president and chief information officer for the Arizona Diamondbacks, laughs whenever someone asks him if his only job is operating the scoreboard at Chase Field.

"I handle the technology for a \$200 million sports company, yet all people want to know about is the scoreboard," he says with a chuckle. "Sure, I help generate content and handle the infrastructure behind it, but the scoreboard is really just a big-screen TV."

The 136-foot by 146-foot high-definition "big screen"—the largest scoreboard in Arizona—is what baseball fans see. What they don't see is Zweig's behind-the-scenes work to give fans a great fan experience at the ballpark.

As CIO, Zweig oversees an eight-employee team that manages three areas of technology: business operations, baseball operations, and fan experience. Fan experience technologies are most of the applications that fans will see, including interactive touch-screen kiosks, and involves maintaining a Wi-Fi network that fans can access from anywhere in the stadium and building a system that uses the ticket barcode to store cash balances for purchases throughout the stadium.

"Fans can load their ticket with value so they don't need to bring their wallets to the stadium," he says. "The barcode on the ticket works with the existing point-of-sale system."

Zweig also administers the company's business operations, which include managing file systems that handle accounting procedures and traditional, day-to-day intranet functions.

He's especially proud of handling baseball operations.

"We developed a video coaching system that consists of a series of high-def cameras stationed around the playing field that records every play from multiple angles and stores the information in a data warehouse," he says. "The system can be used to analyze just about anything that happens during any game throughout the season. This helps with gaining some level of

competitive advantage and helping players and coaches with feedback. We're always trying to find strengths and weaknesses to win games or manufacture better players."

Growing up in Chicago, Zweig played baseball, football, basketball, hockey, and golf. His father coached his Pee-Wee League baseball team, and Zweig recalls wedging baseball cards between his bicycle spokes to make the bike sound like a motorcycle when pedaled.

Also passionate about jets and airplanes, he enrolled in IIT to study aerospace engineering before changing his major to mechanical engineering.

"I wanted to fix things, build things, and make things better," he says of his change in game plan. "I've always been a builder at heart, like my dad. He had all kinds of tools in the basement and knew how to fix anything."

After graduating, Zweig worked at American Steel Foundries, where he helped to build a \$10 million state-of-the-art production line. Later, at the beginning of the dot-com boom, he taught himself Internet architecture and launched Caterpillar's Internet presence. Mastering these skills led to jobs at eBay, where he was director of information technology and global telecom, and Ask.com, where he was vice president of information technology.

"I kept picking up experience, because my real goal was to be the chief information officer of a major company," he says.

He found his field of dreams in 2008, when an Arizona Diamondbacks executive asked Zweig to assess his team's technological efficiency. After making several helpful suggestions, Zweig was drafted to play on the Diamondbacks' management team.

"This is definitely a dream job for someone like me whose hobbies are sports, sports, and sports," he says. His favorite perk? "Once a year, we go down on the real stadium field and play a game with coaches and real players. We get uniforms, get our pictures taken, and can watch ourselves on the big-screen scoreboard, while our actual broadcasters announce us over the loudspeakers. It takes me back to when I was a kid." ■

- <http://arizona.diamondbacks.mlb.com>

GOLDEN TORCH RECIPIENT

The IIT Alumni Association hosted a reception for students and alumni who attended the National Society of Black Engineers Convention in St. Louis in March. Nate Thomas [center], pictured with IIT alumni, was honored with the NSBE Conference highest honor, the Golden Torch Award, for his work in the 1980s to recruit minority students to IIT.

Photo: Bobbi Brinkman Photography



TECH PARK RECOGNITION

Students gathered at University Technology Park to honor Edward Ross (ME '43) in recognition of his generosity to IIT and the STEM+ students. [Left to right] Lauren Agostini, Polly Alpert, Trustee Andrew Agostini, President John Anderson, Ross, and Vince Turitto, director of the Pritzker Institute of Biomedical Science and Engineering.

Photo: Bonnie Robinson



INNOVATION ENERGY

Heidi Rank (ARCH '81), Thomas Brisbin (Ph.D. ENVE '80), and Mohammad Shahidehpour, Bodine Professor of Electrical and Computer Engineering and director of the Galvin Center for Electricity Innovation at IIT, were presenters at a Southern California alumni event focused on building an innovative energy economy.

Photo: Jenna Albright



NEW GALVIN CENTER

At the groundbreaking for the Galvin Center for Electricity Innovation, University Regent Bob Galvin [seated] is joined by [left to right] President John Anderson; Mohammad Shahidehpour, Bodine Professor of Electrical and Computer Engineering and director of the Galvin Center at IIT; Trustee Paul McCoy (EE '72); and John Ronan, IIT College of Architecture associate professor. The center will be on the 16th floor of IIT Tower.

Photo: Mike Lavoie



PALO ALTO ALUMNI RECEPTION

[Left to right] Nik Rokop, managing director of the Stuart School of Business Entrepreneurship Academy and Jules F. Knapp Entrepreneurship Center, James Lemke (PHYS '59), President John Anderson, and Bernie Marren (EE '57) spoke at an alumni reception in Palo Alto, Calif.

Photo: Mona Brooks

events



KATZ RADIO STUDIO

A. Sidney Katz (EE '62) [second from left] and his family attend a dedication ceremony naming the university's WIIT radio studio as the A. Sidney Katz Radio Studio. The event was held outside the station, located in The McCormick Tribune Campus Center.

Photo: Bonnie Robinson



ARCHITECTURE IN ARIZONA

Alumni gathered at the Paradise Valley, Ariz., home of Peter (ARCH '86) and Lynn Koliopoulos for an event featuring Donna V. Robertson, IIT College of Architecture dean and John and Jeanne Rowe Endowed Chair.

Photo: Tim Trumble



INDIA COMMENCEMENT

Members of the IIT Chicago in India Class of 2011 gather for a group photo in celebration of their Commencement held in Bangalore, India, on February 20.

Photo: IIT Chicago in India



MIES' BIRTHDAY BASH

John Vinci (ARCH '60) and Phyllis Lambert (M.S. ARCH '63) at the celebration in honor of the 125th anniversary of the birth of Ludwig Mies van der Rohe, held March 28 in S. R. Crown Hall.

Photo: Bonnie Robinson



LAM TRIBUTE

IIT College of Psychology Dean M. Ellen Mitchell and Distinguished Professor Chow S. Lam enjoy An Evening for Psychology, which celebrated 26 years of Lam's service to the university.



TEDxIIT

Michael Hettwer (EE '83), owner of Mike Hettwer Photography, spoke at the student-organized TEDxIIT event on life lessons learned from photographing archeological expeditions.

Photo: Matt Renfree



REMEMBERING MENGER

Alumni, faculty, and students gathered for a group photo at the Fifth Annual IIT Karl Menger Lecture and Awards, held April 4 on Main Campus.

Photo: Bonnie Robinson



2011 ALUMNI AWARD RECIPIENTS

ALUMNI MEDAL

Edward L. Kaplan (ME '65)

Technology entrepreneur Edward L. Kaplan (ME '65) is vice chair of the IIT Board of Trustees. He is the president of Nalpak, Inc. and chairman emeritus of Zebra Technologies.

COLLENS MERIT AWARD

Alan "Bud" Wendorf (ME '71)

GALVIN AWARD

Ralph Wanger

ALUMNI SERVICE AWARD

Michael P. Galvin (LAW '78)

GLOBAL SERVICE AWARD

Sunwoong Choi (ME/METM '81, Ph.D. METM '92)

LIFETIME ACHIEVEMENT AWARD

Keith E. McKee (CE '50, M.S. '56, Ph.D. '62)
William W. Parks (CE '44)

PROFESSIONAL ACHIEVEMENT AWARD

Frank H. Brod (MGT '75)
Dirk Denison (ARCH '83, M.B.A. '85)
Milton A. Gordon (Ph.D. MATH '68)

OUTSTANDING YOUNG ALUMNUS AWARD

Bill Cardoso (M.S. EE '00, Ph.D. '05)



Life Trustee Edward L. Kaplan (ME '65),
Alumni Medal winner



[Left to right] Elizabeth Galvin, Mary Galvin,
University Regent Bob Galvin, and Life Trustee
Michael P. Galvin (LAW '78) celebrate Michael's
Alumni Service Award.



IIT President Emeritus Lew Collens [left] is joined by Alumni Awards Judges Committee Chairman Jeff Karp (CE '79), Trustee and Collens Merit Award recipient Alan "Bud" Wendorf (ME '71), and President John Anderson.



University Regent Craig J. Duchossois [left] with
Life Trustee Ralph Wanger, recipient of the
Galvin Award



Past Alumni Medal winners at the unveiling of the Alumni Medal recognition are [left to right] Roger Boeker, Clarence Herbst Jr. (son of past winner Clarence Herbst Sr. [CHE '22]), Deena Perlstein (daughter-in-law of past winner Harris Perlstein [CHE '14]), Walter Sobel (ARCH '35), Robin Goldsmith (wife of past winner Myron Goldsmith [ARCH '39, M.S. '53]), President John Anderson, current winner Edward L. Kaplan (ME '65), and Life Trustee Walter Nathan (ME '44).

Did You Know?

Your estate gifts can make it possible for students to receive IIT scholarship awards.

Estate plans from Gunsaulus Society members ensure the future availability of scholarship funds. Whether you're adding to an existing scholarship fund or establishing your own, creating a planned gift through your estate will leave a long-term legacy at IIT.

Visit our new Gift and Estate Planning website at www.iit.edu/giftplanning for more information.



To discuss how to include IIT scholarships in your estate plans, please contact:

Stuart Gold, Director of Gift Planning
312.567.5020
plannedgiving@iit.edu

Gunsaulus | SOCIETY

GOLDEN SOCIETY REUNION

Saturday, September 24, 2011

The Class of 1961 celebrates its 50th reunion this year at Homecoming!

We hope you will join us at IIT's Main Campus during Homecoming weekend to celebrate the induction of the Class of 1961 into the Golden Society, an honorary society established to recognize alumni who have celebrated the 50th anniversary of their graduation from IIT. All alumni from the Class of 1961 and earlier are encouraged to attend and reunite with old friends.

This year's Golden Society Reunion Luncheon will be held on **Saturday, September 24**. Begin the day with breakfast and a financial seminar sponsored by the Gunsaulus Society.

On the afternoon of Friday, September 23, take a walking tour of campus and visit highlights from your past and the newest additions to campus followed by an evening party in The Bog. Stay for the weekend to enjoy IIT's Homecoming activities and carnival on Saturday as well as the Golf Cart Parade, led by the Class of 1961. If you missed your 50th reunion year, join us this year to receive your medallion and take a walk down memory lane.

Email **Marian Quirk** at quirk@iit.edu for Golden Society updates, and check our website at alumni.iit.edu/golden2011 to stay tuned for more information as the date nears.



ALUMNI EVENTS

For information about the upcoming alumni events listed below and other alumni activities, please contact the Office of Alumni Relations at 312.567.5040, alumni@iit.edu, or alumni.iit.edu.

SUMMER EXHIBITION

Wednesday through Sunday, June 1–July 31, 2011

10 a.m.–4 p.m.

S. R. Crown Hall, IIT Main Campus
Chicago

The Summer Exhibition will feature work by two Chicago artists. Jeff Carter will install sculptures made from IKEA furniture, including eight scale models of buildings now attributed to modern architect and Bauhaus founder Walter Gropius for the Michael Reese Hospital campus. These sculptures will be arranged just as the buildings were on the hospital campus before it was demolished.

Christopher Furman of Chicago Robotic Theater will create 12 interactive scenes in a range of sizes to tell a story about memory and decision making. Visitors can venture through various stations inspired by Crown Hall's wide-open space. IIT students will collaborate with Furman to program the robots, and the exhibition's parts will be fabricated in the university's new Idea Shop.

Entrance to the exhibit is \$5 per person; free for children under 12.

FAMILY DAY AT THE MORTON ARBORETUM

Saturday, June 18, 2011

The Morton Arboretum
4100 Illinois Route 53
Lisle, Ill.

Join the IIT Alumni Association for a day of family fun at The Morton Arboretum. Enjoy tours, children's activities, and the opportunity to mingle with fellow alumni in the western suburbs.

HELP TO BUILD A LEGO CITY

Saturday, July 23, 2011

10:30 a.m.–3:30 p.m.
S. R. Crown Hall, IIT Main Campus
Chicago

Families are invited to create structures of their own imaginations, culminating in a temporary 3,000-square-foot community in S. R. Crown Hall, which was deemed "one of the world's most influential and inspiring structures" by *TIME* magazine. The event is free of charge, but advance registration and timed tickets are required. Alumni are invited to attend breakfast and participate in early LEGO building.

IIT AND THE CHICAGO WHITE SOX—A HOME RUN!

Monday, July 25, 2011

Tuesday, August 16, 2011

5 p.m.
IIT Main Campus and U.S. Cellular Field
Chicago

Join fellow alumni on Main Campus for an evening—or two—of baseball. Enjoy complimentary on-campus parking and a pre-game party in The Bog (July 25) or in Morton Park (August 16), before heading to U.S. Cellular Field for the game. Tickets are available for the Chicago White Sox versus the Detroit Tigers game on July 25 and the Chicago White Sox versus the Cleveland Indians game on August 16. Tickets are \$25 each; limit four per person.



DARSH T. WASAN LECTURE

Wednesday, September 7, 2011

4 p.m.

Perlstein Hall, IIT Main Campus
Chicago

Lehigh University President Alice P. Gast is the featured speaker at the Darsh T. Wasan Lecture. A renowned leader in higher education and a distinguished researcher in the study of surface and interfacial phenomena, Gast was named by the American Institute of Chemical Engineers to the list of top 100 "Modern Era" engineers in the country, under the category of "Leadership." Before her Lehigh appointment, Gast served as vice president for research and associate provost at Massachusetts Institute of Technology, where she also held the Robert T. Haslam Chair in Chemical Engineering.

HOMECOMING

Friday, September 23–Saturday, September 24, 2011

IIT Main Campus
Chicago

Come back to your alma mater! Join students and alumni on Main Campus to celebrate IIT during Homecoming. Show your school spirit and reconnect with old friends.

Events will include walking tours, friendly competitions for alumni, varsity soccer, and activities for all ages. If you haven't visited campus in recent years, this is the perfect opportunity to see the extraordinary changes that have been made.

GOLDEN SOCIETY REUNION

Saturday, September 24, 2011

IIT Main Campus
Chicago

As part of Homecoming festivities, the IIT Alumni Association will host the annual Golden Society Reunion. The Golden Society recognizes alumni who are celebrating the 50th anniversary of their graduation from IIT. Members of the class of 1961 will receive their Golden Society medallions, be recognized for this anniversary milestone, and have a chance to visit with old classmates.

ALUMNI ASSOCIATION MARATHON GROUP BANK OF AMERICA CHICAGO MARATHON™

Sunday, October 9, 2011

IIT Main Campus
Chicago

Come to Main Campus to join the IIT Alumni Association cheering section for the 2011 Chicago Marathon. Please be sure to let us know if you are running. A banner featuring the names of competing students, faculty, staff, and alumni will be on display along the marathon route through Main Campus.



& DON'T MISS THIS

PUMPKIN LAUNCH

Saturday, October 15, 2011

IIT Main Campus
Chicago

obituaries

Susan Sitton

Ph.D. MATH '76

Department of Applied Mathematics (AMAT)



A tree stands next to Carr Memorial Chapel on IIT's Main Campus in honor of Susan Sitton, who most recently served the university as a senior lecturer of applied mathematics and ROTC faculty liaison.

During Sitton's tenure from 1987–2010, she held a variety of academic and administrative roles. A key supporter of ROTC programs, Sitton strived to solidify the relationship between IIT and branches of the military. From 2007–09, she was secretary treasurer for the Association of Naval ROTC Colleges and Universities.

"Sue was passionate that our students would learn mathematics well. She invested a great deal of time and energy in classroom teaching. She investigated the factors that determined student success or failure in the core courses, and then she established policies and procedures to enhance student retention," says Fred J. Hickernell, AMAT professor and chair.

Sitton is survived by her husband, IIT Department of Mechanical, Materials, and Aerospace Engineering Professor John Kallend, three children, and a grandchild.

James C. Tyree

IIT Trustee



James C. Tyree was widely known as one of Chicago's most successful businessmen. He began his career in 1980 at Mesirow Financial Holdings, Inc., a diversified financial-services company, and rose through the ranks to become chairman and chief executive officer in 1994. He led the firm's expansion through 50 acquisitions and the current management of \$51 million in assets, and as chairman of Sun-Times Media Holdings, LLC, helped to save the *Chicago Sun-Times* newspaper from liquidation.

Born in the city's Beverly neighborhood and the youngest of seven siblings, Tyree also was known as a generous benefactor. Health care, education, and children were among his biggest advocacy efforts. A longtime supporter of the Juvenile Diabetes Research Foundation, he served as chairman of the board of JDRF International from 2006–08 and was a life member of JDRF's Illinois Chapter Board of Directors. Tyree served on more than 50 corporate, civic, and nonprofit boards, including IIT.

"Jim was an inspirational human being who joined our board in May 2009. He was generous in all his endeavors, and was a dynamic civic and corporate leader, as well as a loving husband and father," says IIT President John Anderson.

Tyree is survived by his wife, Eve, three children, two sisters, and two brothers.

in memoriam

Angeline Pusateri

SOC '36, ARSC '37
Washington, D.C.

Ivan Thunder

CE '37
Libertyville, Ill.

Andrew Henderson

EE '38
Dayton, Ohio

Jack Vander Woude

CHE '41
Longview, Texas

Charles Koclans

ME '42
Riverwoods, Ill.

Charles Cibula

EE '43
Orange Park, Fla.

Steve Dokos

ME '43
Williamsburg, Va.

Robert Ericson

ME '43
Avon, Conn.

Roger Olsen

ME '43
Chicago

A. D. Taylor

EE '43
Palatine, Ill.

Kenneth Black

EE '44
Erie, Pa.

Herman Mirochnick

CHE '47
Chatsworth, Calif.

John Culver

ME '48
Los Angeles

Richard Much

CHE '48
Saratoga, Calif.

Westly Ruther

CHE '48, M.S. '49
Skokie, Ill.

Elmer Carlson

EE '49
Agoura Hills, Calif.

Sherwin Friedman

IE '49
Grand Rapids, Mich.

Lothar Koenig

EE '49
Lombard, Ill.

Raymond Pfohl

CHE '49
Mount Prospect, Ill.

Paul Andrews

BE '50
Des Plaines, Ill.

Arthur Hamilton

LAW '50
Hazel Crest, Ill.

John Holland

ARCH '50
Sister Bay, Wis.

Watts Humphrey

M.S. PHYS '50
Sarasota, Fla.

William Czapar

ME '52
Irvine, Calif.

Allen Friedman

LAW '52
Margate, Fla.

Richard Adams

Ph.D. CHEM '53
Laramie, Wyo.

Joseph DiBenedetto

MET '53
Hinsdale, Ill.

William McMoran

DSGN '53
Thousand Oaks, Calif.

O. Paul Richey

ME '53
Clifton, N.J.

John Zaleski

LAW '54
Des Plaines, Ill.

Paul Niquette

MET '55
Tucson, Ariz.

Max Zauke

FE '55
Ponte Vedra Beach, Fla.

Kenneth Kemp

Ph.D. CHEM '56
Reno, Nev.

Byrl Vaughan

EE '56
Fort Myers, Fla.

Earl Taylor

LL.B. '57
Chicago

William Hersh

BE '59
Chicago

Edward Mallory

EE '59
Madison, Ala.

Robert Shogren

ARCH '59
Arlington, Va.

William Staehle

ARCH '59, M.S. CRP '60
Valparaiso, Ind.

George Thielen

ME '61
Dayton, Ohio

Robert Uebel

ME '61
Bellevue, Wash.

Donald Schweda

ENGL '62
Quincy, Ill.

Robert Wojda

CHEM '62
Salem, Ore.

Joseph Crook

Ph.D. CHEM '63
Bellingham, Wash.

Robert Hoffman

FPSE '63
Newaygo, Mich.

Warren Wells

M.S. ME '63
West Palm Beach, Fla.

Jerome Butzen

ME '64
McHenry, Ill.

Robert Rice

DSGN '64
Oak Park, Ill.

Wayne Haushalter

M.S. SOCT '66
Knoxville, Tenn.

Howard Monsen

FPSE '67
Algonquin, Ill.

William Martin Gawin

FPSE '69
Eleva, Wis.

Louis Doescher

LAW '71
Carson City, Nev.

Charles Levad

LAW '71
Mason City, Iowa

Emmett Lally

LAW '72
Las Vegas

Vernon Williams

M.P.A. '72
Miramar, Fla.

Robert Camillone

M.S. CE '77
Orland Park, Ill.

Michael Grant

LAW '77
Arlington Heights, Ill.

James Phillips

M.S. EE '82
Lake in the Hills, Ill.

Brian Donovan

LAW '86
Western Springs, Ill.

Stephen Jahn

CS '90
Maplewood, Minn.

Helen Laverty

ME '00, M.B.A. '07
Buffalo Grove, Ill.

Patrick Burelle

M.P.A. '08
Aledo, Ill.



TAKE A LOOK AT US!

Illinois Institute of Technology students will be the future leaders who drive change in areas of global significance: energy independence, improving people's health, protecting the environment, and strengthening national security.

The **IIT STEM+** (Science and Psychology, Technology, Engineering, Mathematics, Business, and Architecture)

Educational and Scholarship Initiative will provide financial scholarship assistance to qualified students pursuing an IIT undergraduate degree.

We also offer guaranteed on-campus housing, a low student:faculty ratio, plus our unique **Interprofessional Projects (IPRO) Program**, which utilizes our new 13,000-square-foot **Idea Shop**, where students from various academic disciplines work together to tackle a real-world problem.



IIT HAS BEEN NAMED A FISKE 2011 BEST BUY SCHOOL!

admission.iit.edu

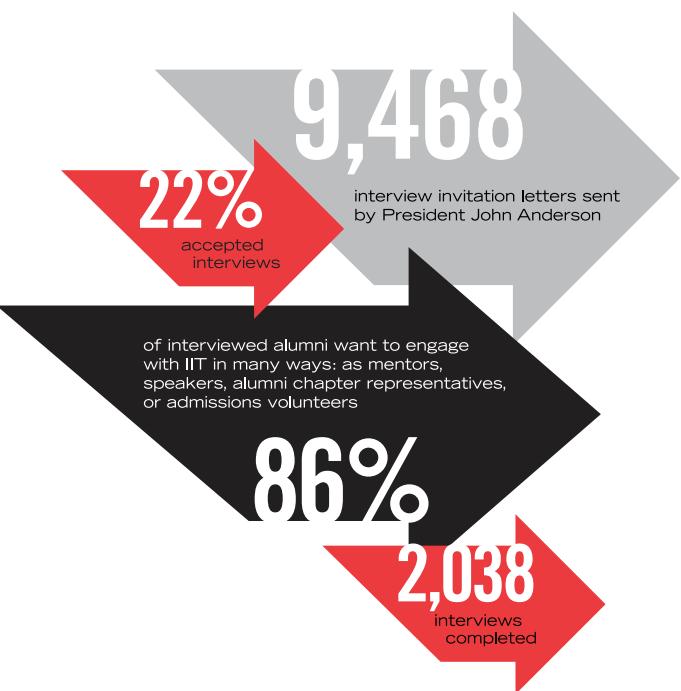
ARMOUR COLLEGE OF ENGINEERING CHICAGO-KENT COLLEGE OF LAW
COLLEGE OF ARCHITECTURE COLLEGE OF SCIENCE AND LETTERS
COLLEGE OF PSYCHOLOGY INSTITUTE OF DESIGN
SCHOOL OF APPLIED TECHNOLOGY STUART SCHOOL OF BUSINESS

Velocity in the Windy City

The Chicago area remains the focus of The Velocity Initiative, whose staff of three full-time ambassadors and 10 student ambassadors continue to interview alumni about their experiences as students at the university. The Alumni Board Volunteer Management Committee members are developing alumni participation by asking the alumni interviewed to engage in mentorship, a speakers bureau, and university admission efforts.

Velocity → initiative

the forward momentum of **iit**
through **alumni**



Interior proscenium of the Schiller Theater (later known as the Garrick Theater)

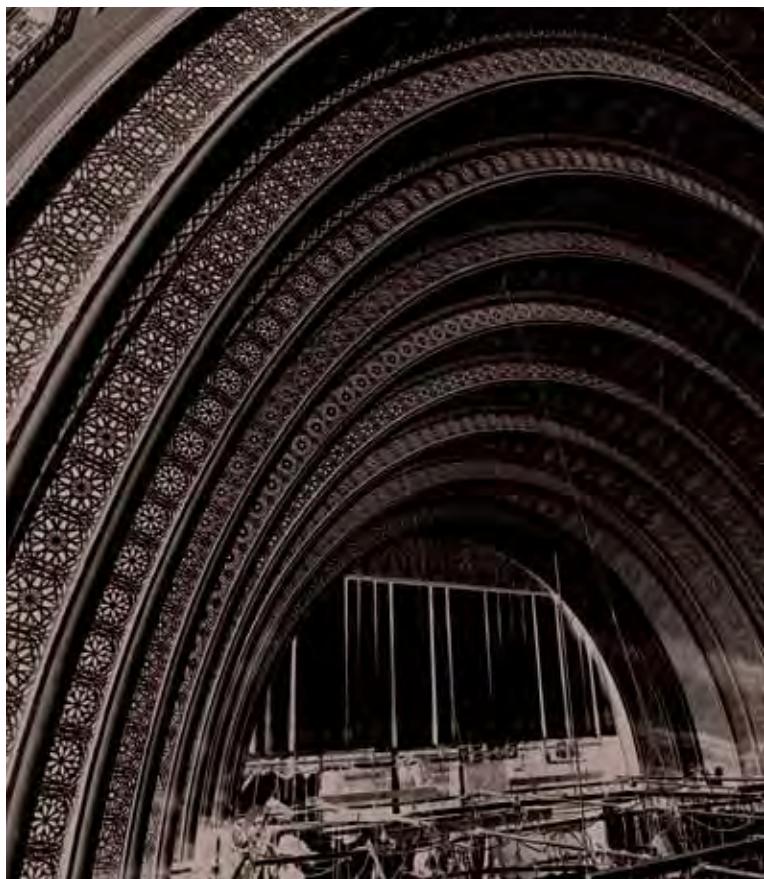


PHOTO: PHOTOGRAPH BY RICHARD NICKEL, COURTESY OF THE RICHARD NICKEL COMMITTEE, CHICAGO

FOLK HERO FOR PRESERVATION

RICHARD S. NICKEL (DSGN '54, M.S.'57) died on April 13, 1972, while attempting to salvage remnants of the Chicago Stock Exchange Building as it was undergoing demolition. An impassioned voice in the fledgling historic preservation movement of the 1960s, Nickel has achieved iconic status in his own right for fighting to save structures designed by architect Louis H. Sullivan, whom Nickel fervently admired, and Dankmar Adler, Sullivan's partner from 1881–1895.

Nickel, who studied photography at IIT Institute of Design, first learned of Sullivan in the early 1950s from his instructor Aaron Siskind, who had initiated a comprehensive photographic survey of Sullivan's architecture and planned to publish a book on the subject

by 1957. Nickel joined the group of students working on the project and furthered the cause with his 232-page master's thesis—"A Photographic Documentation of the Architecture of Adler and Sullivan"—featuring photos he and his classmates took. By 1955, photography of all standing Adler and Sullivan buildings across the United States had been completed, but for a variety of reasons, including Nickel's death, the book never came to fruition.

Restoration expert John Vinci (ARCH '60) became Nickel's colleague and friend, often working side-by-side with him in an attempt to save the city's architectural treasures. Vinci inherited Nickel's vast photographic collection of local and Midwest regional architecture—

some 20,000 images—which he stored in his North Side home until it was given to the Art Institute of Chicago, as Nickel wished. Vinci, along with Siskind, Nickel's brother Donald, Ben Raeburn of Horizon Press, and Nickel's classmate Leonard Gittleman (DSGN '54), established the Richard Nickel Committee and Archive, giving individuals the opportunity to view Nickel's works. And as a fitting endnote to Nickel's life, Vinci completed the book begun more than 50 years ago.

"I felt an obligation to get the project done," he explains. "I had Aaron Siskind's blessing."

Vinci and committee Executive Director Ward Miller, who also attended IIT's architecture program, debuted *The Complete Architecture of Adler & Sullivan* last fall to national acclaim. "We're stunned by our success," Vinci says of the tome, which weighs a hefty 8.5 pounds and showcases 815 photographs. The book also contains a 108-page catalog of projects and a series of essays written by Vinci, who notes that Sullivan's works were not just pretty buildings but a philosophical expression of a democratic society. Their social implication is part of what drove Nickel to try to save them from the wrecking ball.

"In the end, Nickel was a little angry at the movement and thought that he wasn't making any progress; he was kind of feeling defeated. But afterward, the preservation movement really got started and he was considered an inspiration," says Vinci, adding that Nickel is immortalized in two plays and at least two books. "Maybe his death gave people something to think about."

—Marcia Faye



RICHARD NICKEL COMMITTEE AND ARCHIVE:
www.richardnickelcommittee.org

GATEWAY TO GLOBAL OPPORTUNITIES

With alumni in 109 countries; offices in Paris, Beijing, Seoul, and Bangalore; and alliances with dozens of universities worldwide, IIT is a gateway to global connectedness. Our students come from more than 100 countries. We provide opportunities daily for informal cultural exchange in cafeterias, classes, clubs, Interprofessional Project courses, and programs such as International Fest, I-Buddy, the Women's Cultural Exchange, and the global-themed residence hall. Many alumni mentor students. Our students also want to see the world for themselves and make a difference. They go abroad for internships, studies, and projects that range from helping farmers in Uganda to market coffee to helping schools in Haiti to power their laptops.



SPOTLIGHT: IIT STUDY ABROAD

Study Abroad expands our campus to six continents. For students, the experience of interning or studying in another country can be transformative. Says one student, "Launching myself into the world with no expectations was the most terrifying thing I have ever done, and that's why it became the most enlightening experience I have ever had."

To learn more about IIT's international initiatives—cooperation, alliances, recruitment, and mentoring—contact Darsh Wasan, vice president for international affairs, at wasan@iit.edu.

To learn more about hiring IIT students as interns in the United States or abroad, contact Bruce Mueller or Nikia Williams in the IIT Career Management Center at cmc@iit.edu.

To learn more about IIT study abroad programs, contact Ashley Sinclair at asincla1@iit.edu or visit www.iit.edu/study_abroad.

To suggest or sponsor projects, share your ideas, volunteer, reconnect with IIT, or provide news or address updates, contact Alumni Relations at alumni@iit.edu or phone (within the U.S.) 800.IIT.ALUM or 312.567.5040.

Do you know talented young people who would excel as IIT students? Refer these potential IIT students to us.

Contact Gerald P. Doyle, vice provost for undergraduate admission and financial aid, at doyle@iit.edu or 312.567.5203.

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ILLINOIS INSTITUTE
OF TECHNOLOGY



Mark your calendars for Homecoming 2011 at IIT.

Join alumni, friends, and current students during the weekend of **September 23-24** for a celebration of school spirit and to rekindle the connections that made your time at IIT memorable. Food and family fun will be available for all on this commemorative weekend, including traditions such as:

IIT ALUMNI ASSOCIATION BOG PARTY

Alumni and students mix and mingle for karaoke, ping pong, arcade games, pool, bowling, and more in the university's campus pub and recreation center.

GOLF CART PARADE

This annual tradition gets student clubs and organizations into the Homecoming spirit with a golf cart decorating contest, parade through campus, and prizes awarded to the winning carts.

HOMECOMING CARNIVAL

Rides, games, and prizes make this attraction fun for the whole family!

ATHLETIC PRIDE

The Illinois Tech Men's Soccer Team vies for a win on Friday versus Davenport University, and Illinois Tech's Women's Soccer Team competes on Saturday against Benedictine University. Go Scarlet Hawks!

SPIRIT WEEK

Students and alumni start the fun on the Monday before Homecoming with Spirit Week celebrations, competing in games each day leading up to the weekend.

Email us at alumni@iit.edu or check our website at alumni.iit.edu/homecoming2011 for Homecoming updates, and stay tuned for more information as the date nears.

SAVE THE DATE!