

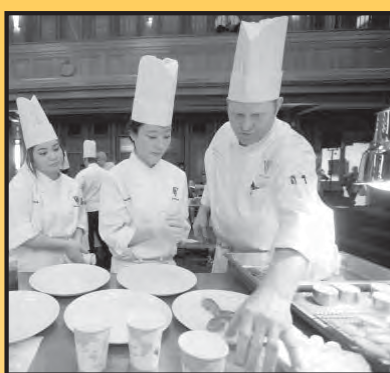
glimpses

Amy Margaret Liang, a first-year student at the School of Medicine, puts the finishing touches on her artwork, The Bitter Grapefruit, for the Sixth Annual School of Medicine Student, Faculty and Staff Art Show.



Eric Young

Jerry Naunheim, Jr.



From left: Student sous chefs Julia Wong and Johanna Wang assist head chef Gary Suarez during the North vs. South Champion Chef Competition in the Danforth University Center. The competition pits one dining services chef from the north part of the residential campus against one chef from the south part of the residential campus.

From left: Sophomore Mike Hsu, freshman Kevin Lin, freshman Shuyi Shang, sophomore Lindsey Zhang and freshman Joel Yambert show off new outfits made of recyclable materials during the "Trashy Fashion Show," part of the Congress of the South 40's ECOlympics.



Mary Butkus

Jon Mitchem (standing), a second-year general surgery resident, teaches first-year medical students (from left) Betsy Wan and Stacy Dai how to suture using chicken pieces. The students are members of the School of Medicine's Surgery Interest Group.



Robert Boston

Help Recruit Talented Students Through the Alumni and Parents Admission Program

Throughout the world, many university alumni (undergraduate) and parents of current undergraduate students are ambassadors for the university as they help recruit, interview and enroll talented students from their areas.

Working as part of the Alumni and Parents Admission Program (APAP), they offer interviews to applicants (students), help staff College Fairs, refer prospective students to the Office of Undergraduate Admissions, and contact and respond to questions from parents of admitted/enrolling students. Some volunteers also host Summer Send-off parties for incoming freshmen in their areas prior to the start of the fall semester at the university.

In addition to APAP volunteers in Hong Kong, Singapore, Taipei and Tokyo, volunteers also can be found in the Asian nations of South Korea, Turkey, India, Malaysia, People's Republic of China and Thailand.

In Asia, the committee chairs are:

Hong Kong

David Lee, LA04
wuapap.hk@gmail.com

Singapore

Gavin Ng, LA05
gavinng@wustl.edu

Taipei

Michelle Gravel, Director of APAP
apap@wustl.edu

Tokyo

Sonya Ho, LA05
syho05@gmail.com

APAP Volunteers Needed

If you are living in Asia, are an undergraduate alum of Washington University or a parent of a current university undergraduate student, and you can help recruit, interview and enroll prospective students from your area, the APAP program would like to hear from you. More volunteers are needed, and in the program, you can enjoy meeting prospective students and their parents as you help the university attract outstanding applicants.

If you are interested in becoming involved in APAP efforts, please contact the APAP office at apap@wustl.edu or 1-314-935-4826.

Asset Building, cont'd from page 2

available to all with progressive matching for low-income families and can be started as early as birth.

CSD's research findings in the United States with low-income populations inform policy innovations by Asian governments, leading to adoption of asset building as one component of their social policies.

In addition, CSD works with many scholars in Asia who are the pioneers and the driving forces of promoting asset-based social development strategy. Singapore's universal approach to asset building for all children, for example, informs CSD's "SEED for Oklahoma Kids" experiment, which tests the idea of giving all children an asset-building account when they are born.

In a consortium led by Save the Children, CSD is planning to test youth savings accounts in four developing countries.

Asset building is not the only area of CSD's work in Asia. Productive aging is a growing research field. Under the leadership of Nancy Morrow-Howell, PhD, the Ralph and Muriel Pumphrey Professor of Social Work, and Gao Jianguo, PhD, professor at Shandong University, the CSD and Shandong University organized the first national conference on productive aging in China, held in July 2009 in Jinan, the capital of Shandong province.

At the Brown School, CSD's international work attracts students from around the world. Current students and alumni are a growing influence in the design and testing of social policy in several Asian nations. Other students have learned from research on asset building in Asia to inform studies in other areas of the world.

 [asia extra : summer 2010 : 4]

contacts

YOUR WASHINGTON UNIVERSITY CONTACTS

Washington University Alumni Clubs offer alumni and parents of current and former students a way to stay connected with the university.

For more information on the clubs in Asia, visit <http://aisweb.wustl.edu/alumni/internationalrelations.nsf> or contact:

Tamillynn Holder

Director, International Alumni and Development Programs
Washington University in St. Louis
Campus Box 1060
7425 Forsyth Blvd.
St. Louis, MO 63105, USA
telephone: 1-314-935-4548
fax: 1-314-935-9614
e-mail: tami_holder@wustl.edu

The Alumni and Parents Admission

Program (APAP) involves undergraduate alumni and parents of current undergraduates in recruiting, interviewing, selecting and enrolling students at Washington University. APAP members interview applicants, staff college fairs and host receptions for admitted students. For information, contact:

Michelle Gravel

Director, Alumni and Parents Admission Program
Washington University in St. Louis
Campus Box 1028
One Brookings Drive
St. Louis, MO 63130-4899, USA
telephone: 1-314-935-4826
e-mail: apap@wustl.edu

Alumni, parents and friends of the university often help identify students who would benefit from a Washington University education. Refer names and addresses of talented prospective students to:

Julie Shimabukuro

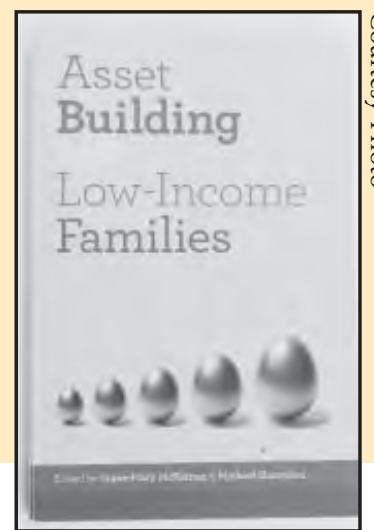
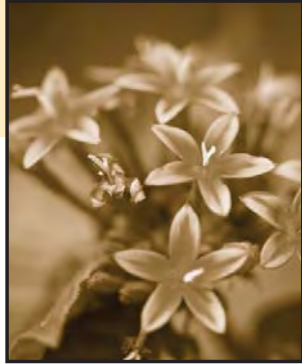
Director, Undergraduate Admissions
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 Washington
University in St. Louis

Asia

summer 2010

extra



Courtesy Photo

Professor Michael Sherraden's research on asset building here and in Asia resulted in several books, including *Asset Building* and *Low-Income Families* (above).

 **Washington University in St. Louis**

Engineering and Curry:

Students Explore Environmental Issues in Asia

by Diana Lutz

Energy and the environment rank among the most important issues facing this generation of college students. What better way to learn about these issues than over Korean banchan or Indian curry?

The elective course International Experience in Energy, Environmental & Chemical Engineering (EECE 401) allows Washington University undergraduates the opportunity to study energy science at a top university in another country.

WUSTL'S McDonnell International Scholars Academy coordinates international initiatives. The innovative program brings students from select partner universities overseas to St. Louis for doctoral or professional degree programs, with the goal of developing future global leaders and forging enduring relationships among these institutions.

"With this network in place, we felt we could address global challenge areas, and there's, of course, no greater global challenge area than energy and the environment," says Pratim Biswas, PhD, the Stifel and Quinette Jens Professor of Environmental Engineering Science and chair of the Department of Energy, Environmental & Chemical Engineering.

"So we created a subgroup called the McDonnell Academy Global Energy and Environment Partnership or MAGEEP," says Biswas, who also serves as MAGEEP's director. "We met for the first time in 2007, and many collaborative projects arose out of this meeting. But we felt we also should give the undergraduates the opportunity to participate in an international experience."

The group designed an elective in which two faculty members lead a team of students on a trip to one of the McDonnell partner universities. Each year's class revolves around a theme, based on the interests of the coordinating faculty members.

In the inaugural year, students traveled to Beijing to study air quality science just as the Chinese government worked to bring down pollution levels for the 2008 Olympic Games. In summer 2009, students traveled to Seoul to learn about nanotechnology and its role in energy and the environment, visiting Yonsei University, Korea University and the Korean Advanced Institute of Science and Technology.

Prior to the semester abroad, students take pre-program seminars to bring them up to speed on the technology theme and to introduce them to the language and culture of the host country. During the summer trip, they attend lectures and tour labs.

Some stay on to do internships at the partner university. After returning to St. Louis, students

prepare a seminar presentation and a research paper.

During her internship, Yueyang Frances Fei, a junior biomedical engineering major, worked on tiny disks that would be used in microarrays, also known as gene chips or DNA chips.

Another student, Daniel Eicholtz, a sophomore chemical engineering major, experimented with ways to improve a catalyst that boosts fuel cell performance.

But it's not all work. The students who visited Korea last summer enjoyed meals of banchan and kimchi, rode the bullet

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Courtesy Photo

In the program's inaugural year, students traveled to Beijing to study air quality science just as the Chinese government was trying to bring down pollution levels for the 2008 Olympic Games.

Asset Building:

Center for Social Development Assists Asian Countries

by Jessica Martin

In East and Southeast Asia, a strong and growing interest exists in asset building as a social and economic development strategy.

In its simplest form, asset building refers to strategies that increase financial and tangible assets, such as savings, homes and businesses of all kinds. Asset building focuses on long-term development of families.

The Center for Social Development (CSD) at the George Warren Brown School of Social Work is advising and helping to test innovations in asset building in several countries.

"Much of the East and Southeast Asia region is still in a process of defining its social policies," says Michael Sherraden, PhD, the Benjamin E. Youngdahl Professor of Social Development and director of the CSD.

"Rather than automatically adopting social policies of the West, countries in this region are looking for policies suited to their economies and social arrangements," Sherraden says.

"In some sense, these countries are 'open' to social innovation — they are trying things out," he says. "This is not always a smooth process, but one of the positive features is testing new models of social policy. Although asset-based policy was defined in the West, it is getting at least as much traction in East and Southeast Asia."

Sherraden created one of the leading asset-building policies — individual development accounts (IDAs) — which are accounts with matched savings. IDAs are similar to 401(k)s, except that they are designed to be

EXAMPLES OF PROGRESS IN ASIA:

Mainland China

The Hutubi Rural Social Security Loan Program, which enables participants to borrow for their agricultural production or other life investments using their social security cards as collateral, expanded from Xinjiang province to several other provinces in China. The Brown School is also partnering in the Sichuan earthquake region. General themes of asset building and capacity building are being adopted for this work. The Brown School's ties with Hong Kong Polytechnic University make this partnership possible.

Hong Kong

Research on child development accounts for low-income families continues in Hong Kong.

Macao

A non-governmental organization met with the CSD to discuss creating child development accounts across Macao.

Singapore

Singapore now uses a comprehensive and innovative cradle-to-grave asset-building policy, in which

matched savings accounts fund education for children, home purchases and retirement.

South Korea

Increasing scholarship and research evidence on IDAs within South Korea is yielding promising results. In Seoul, the IDA program expanded to 20,000 accounts completed in December 2009, with plans to add another 10,000 accounts in 2010. The government of South Korea recently instituted a national asset-building policy for institutionalized children. The city government of Seoul implemented an asset-building initiative that focuses on low-income households, and other cities in Korea have followed suit.

Taiwan

Research evidence on Family Development Accounts in Taipei continues to be encouraging, and matched savings have spread to several other cities in Taiwan. CSD assisted the Taipei city government with policy and research design for a pilot asset-building program that was modeled after IDA programs in the United States.

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Engineering, cont'd from page 1

train, visited gaming centers called PC bangs where kids gather to play multi-player computer games and eat ramen noodles, and ogled a giant virtual fish pond complete with talking fish in the Yonsei University library.

The 2010 theme involved aerosols, and the class traveled to Mumbai, India. While WUSTL boasts an internationally known aerosol science and technology group, this experience provided an opportunity to see this in practice in other parts of the world.

Da-Ren Chen, PhD, associate professor of energy, environmental & chemical engineering, and Ruth Chen, PhD, professor of practice in the School of

Engineering & Applied Science, served as the faculty leaders for this trip. Da-Ren Chen's research involves devising instruments for measuring aerosols, and Ruth Chen's research focuses on the toxicity of small particles.

The students attended lectures on a variety of energy-related topics with their counterparts at the Indian Institute of Technology Bombay in Mumbai. Field trips included visits to petrochemical plants and rural villages.

Part of the program occurred in conjunction with faculty from another McDonnell Academy partner university, the Tata Institute of Social Sciences (TISS). Gautam Yadama, PhD, associate

professor of social work in the George Warren Brown School of Social Work and an ambassador to TISS, and Biswas are using novel aerosol instruments to measure particle size distributions from biomass cook stoves.

This partnership aims to introduce students to the two extremes of Indian energy use, Biswas says. Coal-fired plants exist all over India as the country moves on with its industrial development. Yet, Indian villagers use the oldest form of biofuel to cook food: wood from trees.

Pleased with the success of the trips, Biswas notes that "so far, everyone seems to feel this semester-long program is just a fabulous experience." ✕

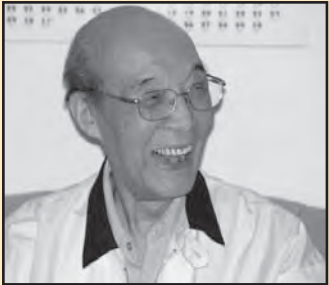
Alumni Profile

First Chinese Alumnus Celebrates Centennial

by Blaire Leible Garwitz

"Study mathematics, eat Chinese food and spend time with a great family you love," says centenarian Xianyu Xu, PhD '38, when asked his secret to leading a long and fulfilling life.

Courtesy Photo



At 100 years of age, Xianyu Xu, PhD '38, is the oldest alumnus in China.

The first Chinese alumnus, Xu remembers Washington University as "a very open and friendly place. Several people welcomed me, the only Chinese student on campus, and made me feel at home," he says.

While a student, Xu studied mathematics with world-renowned scholar and former Professor Gabor Szego.

"Both the university and Professor Szego helped me develop the capability to think critically and to approach problems in a rigorous and scientific way," says Xu, one of the founders of computational mathematics in China. "My experience at the university changed my life profoundly and helped me to become a competent teacher and researcher."

Xu briefly taught at Washington University before joining the faculty of the mathematics department at Yenching University.

While there, "wars, revolutions and foreign invasions frequently interrupted my teaching career," he says. One of these interruptions occurred during World War II when the Japanese army occupied the Yenching campus from 1941 to 1945 following Pearl Harbor. After Japan surrendered, Xu became chair of the math department at Yenching, and he remained in that position until the Chinese government closed down the university in 1952.

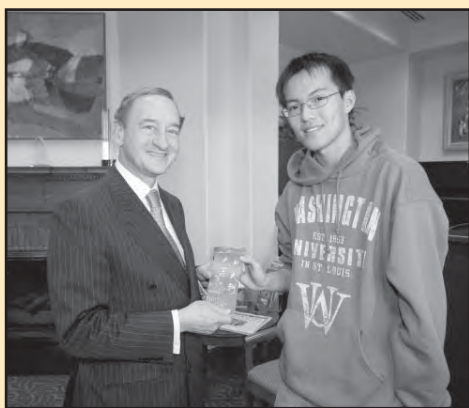
From 1952 to 1986, Xu held a full professorship in the math department of Peking University and served as a senior fellow at the Institute of Computational Mathematics under the Chinese Academy of Science. Now retired, he lives with his family in Beijing.

He remained involved in the field of mathematics even after retirement. "I helped evaluate mathematics training programs at both elementary and high schools in China when I was in my 80s and early 90s," Xu says.

His daughter, Wan Xu, and son-in-law, Jiashu "Josh" Cheng, recently named a mathematics scholarship at Washington University for him. They established the gift to honor Xu's many achievements and to recognize the important role the university played in his life.

"Washington University made a great difference in my life and, in a small way, made an important impact on China and Chinese people," Xu says.

Xu is not the only one in his family to attend the university. His grandson, Alex Cheng, graduated in 2009. "One of my other grandsons, Cary Cheng, aspires to go to Washington University some day," Xu says. "He works very hard to prepare himself for that goal."



Chancellor Mark S. Wrighton accepts a check from Alex Cheng, AB '09, grandson of Xianyu Xu. Cheng's parents, Josh Cheng and Wan Xu, named a scholarship at the university in honor of Xianyu Xu.

Joe Angeles

NEWS BRIEFS

Engineering professor Xia named one of top 10 chemists in the world

Younan Xia, PhD, the James M. McKelvey Professor of Biomedical Engineering and a professor of chemistry in Arts & Sciences, is ranked worldwide as the No. 5 chemist of the decade by *Times Higher Education*. The ranking is based on the number of papers published in journals in the last decade, the number of times those papers are cited and, critically, the citations per paper. Xia published 140 papers that were cited an average of 75.14 times per paper. He works on novel nanomaterials used for biomedical applications.

New faculty members join university

Kunal Agrawal, Shefali Chandra, Jung-Tsung Shen, Ting Wang and Li Yang recently joined the university as assistant professors.

Agrawal, PhD, is assistant professor of computer science & engineering. Her research interests include both theoretical and practical aspects of parallel computing.

Chandra, PhD, is assistant professor in the Department of History and the International and Area Studies program, both in Arts & Sciences. Chandra researches the shifting and transnational production of gender and sexuality.

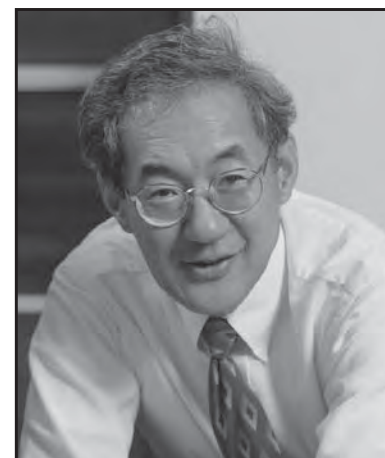
Shen, PhD, is assistant professor of electrical & systems engineering. His primary research interest involves exploiting device potential and new material concepts enabled by the capability of manipulating light at sub-wavelength scales.

Wang, MSCS '02, PhD '06, is assistant professor in the Department of Genetics and Center for Genome Sciences in the School of Medicine. His research focuses on understanding the gene-regulatory networks.

Yang, PhD, is assistant professor of computational condensed matter physics in Arts & Sciences. His research interests include both developing first-principles computational methods and their applications to the electronic structure and optical response of reduced-dimensional materials.

Yin receives Distinguished Faculty Award

Frank Yin, MD, PhD, the Stephen F. and Camilla T. Brauer Distinguished Professor in the School of Engineering & Applied Science, received a Distinguished Faculty Award for his strong commitment to the intellectual and personal growth of his students. In 1997, Yin joined the university as chair of the Department of Biomedical Engineering and director of the Institute of Biological and Medical Engineering. Under his leadership, the department received \$15 million from the Uncas A. Whitaker Foundation to construct a new building and hire new faculty. Today, the department continues to show dynamic growth. Yin is a founding fellow of the American Institute of Medical and Biological Engineering, a fellow of the American Society of Mechanical Engineers, a member of the National Advisory Council of the National Institute of Biological Imaging and Bioengineering, and a past president of the Biomedical Engineering Society.



Joe Angeles

Frank Yin, the Stephen F. and Camilla T. Brauer Distinguished Professor and chair of the Department of Biomedical Engineering, received a 2009 Distinguished Faculty Award from the university.

VOLUNTEER SPOTLIGHT

**Deepak Kantawala, MS '63,
DSc '66 (sanitary engineering)**

**Independent
Environmental
Engineering
Consultant,
Mumbai**

“At Washington University, I imbibed the sense of freedom — of speech, of expression and of thinking independently — which is in general the American way of life, but also represents the spirit of the university,” Deepak

Kantawala says. “Because of this experience, I decided to volunteer for the university to express my gratitude for all that it gives to me and my family.”

He initiated the Indian Alumni Association in 2005. The group provides a way for university alumni and parents living in India to connect with each other and with visiting faculty and students. In addition, Kantawala serves on the International Advisory Council for Asia and meets with prospective students.

He and his wife, Purnima, also have two sons and a daughter-in-law who attended the university: Anshul, BSCS '91, BSEE '91, DScCS '05; Achyut, AB '96; and Neepa, MBA '00.



Courtesy Photo

Deepak Kantawala, pictured at a January 2010 alumni event in Mumbai, initiated the university's Indian Alumni Association.

Law School partners with Korea University to offer Executive LLM

The law school is launching a new Executive Master of Laws (LLM) Program co-taught by Washington University and Korea University law faculty. Beginning in summer 2010, the new program will offer courses in a range of topics including contracts, corporations, legal research and methods, securities regulation, antitrust, commercial law and intellectual property law. The program's curriculum is designed to offer students a thorough grounding in U.S. business law and business-oriented topics.

Hindi-Urdu instructor awarded grant for South Asian languages curriculum

The South Asian Language Resource Center awarded M.J. Warsi, PhD, lecturer in South Asian languages in Arts & Sciences, a \$25,000 grant to develop an online curriculum for learning Hindi-Urdu. The grant concentrates on South Asian languages at universities in the United States as part of the U.S. Education Department's International Education and Graduate Programs. ✦

