

# Engineering News

February 2013

Across Disciplines.  
Across the World.™

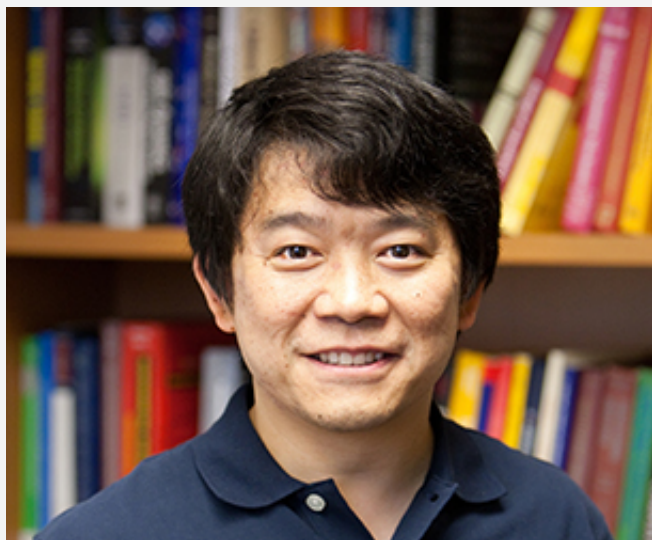
FEATURED STORY



## STUDENTS TO TURN UNIVERSITY HOUSING 'GREEN'

Students from three schools at Washington University, including the School of Engineering & Applied Science, are participating in a pioneering project to make some university-owned housing more sustainable.

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### SHEN RECEIVES CAREER AWARD FROM NSF

Jung-Tsung Shen, PhD, has won a prestigious Faculty Early Career Development Award (CAREER) from the National



### Q&A WITH SPENCER LAKE

Professor Lake's research focuses on soft tissue biomechanics, with an emphasis on orthopedic tissues, such as tendon and

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## STUDENTS

### ENGINEERS WEEK PREVIEW

Events are designed to increase the visibility of the School of Engineering & Applied Science on our campus, collaborate between various engineering groups, and promote interaction between students, alumni, faculty, staff and engineering professionals.

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## FACULTY

### GENES PROVIDE CLUES TO GENDER DISPARITY IN HUMAN HEARTS

Using molecular biology, tissue engineering and multimodal imaging techniques, the Efimov lab works to engineer the pacemaker and conduction system of the heart.

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## ALUMNI

### HOGAN'S WUSTL EXPERIENCE LEADS HIM INTO RESEARCH

Alumnus **Chris Hogan's** undergraduate research experience at WUSTL led him into a career in academic research.

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## UPCOMING EVENTS

### [Tue, Feb 26](#)

Engineers Week Event: Dean's Lecture with Edward Jung

### [Wed, Feb 27](#)

Engineers Week Event: WU Racing Car Showcase

### [Thu, Feb 28](#)

Engineers Week Event: Networking Night sponsored by NSBE, EnCouncil and WUSPE

### [Mon, Mar 11](#)

Summer 2013 registration begins

[VIEW MORE EVENTS](#)

## RESEARCH & FACULTY NEWS

### [Subramanian discusses lithium ion battery safety in Discovery News](#)

Associate Professor **Venkat Subramanian** recently received a \$2 million grant from the Department of Energy to design a battery management system for lithium-ion batteries that will guarantee their longevity, safety and performance.

### [Biswas's air purification device featured on BioPrepWatch.com](#)

"The device not only captures particles with a high level of efficiency that has never before been achieved; it also inactivates them. Even bioterror agents are blocked and completely inactivated," says Professor **Pratim Biswas**.

### [Weinberg receives award from Yahoo! Labs](#)

A \$15,000 gift to Assistant Professor **Kilian Weinberger** will encourage collaboration with Yahoo! research scientists.

### [Bayly, team get \\$2.25 million grant to study brain mechanics](#)

Professor **Philip Bayly** and collaborators from Johns Hopkins University and the Henry M. Jackson Foundation received a five-year, \$2.25 million research grant.

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