

Engineering News

November 2012

Across Disciplines.
Across the World.™

FEATURED STORY



LEADING *Together*

The Campaign for Washington University



CAPITAL CAMPAIGN TO HELP ENGINEERING GROW, MEET GLOBAL NEEDS

“The investment and support from donors will allow us to implement the school's strategic plan and make contributions toward solving global challenges,” says Dean Ralph Quatrano.

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GUÉRIN NAMED CHAIR OF COMPUTER SCIENCE & ENGINEERING

Roch Guérin, PhD, has been named chair of the Computer



SOCIETY OF WOMEN ENGINEERS INSPIRE HIGH SCHOOL STUDENTS

MegaBuild pairs high school girls interested in science,

Science & Engineering department at Washington University in St. Louis effective July 1, 2013.

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technology, engineering or math (STEM) careers with a female university student to build state-of-the-art computers.

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STUDENTS

WASHINGTON U. IGEN TEAM WINS GOLD MEDAL

The team created genetically engineered, biosynthetic saffron that is easier to harvest and is more cost-effective for use in potential anti-cancer and anti-depressant drugs.

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FACULTY

GRUEV RECEIVES GRANT TO STUDY, RECREATE MANTIS SHRIMP VISION

Mantis shrimp, aggressive, predatory sea crustaceans, have among the most sophisticated vision of all animals. A group of researchers, including **Viktor Gruev**, PhD, want to recreate that vision to make a specialized camera that could bring more precision to biomedical imaging and weapon targeting in defense.

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ALUMNI

BIOMEDICAL ENGINEERING ALUMNA NAMED NCAA WOMAN OF THE YEAR

Elizabeth Phillips received the award in honor of her academic and athletic achievements, as well as community service and leadership.

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UPCOMING EVENTS

[Wed, Dec 12](#)

WUSTL Sustainability Professional Development Series: Repurposing & Living with Less

[Tue, Feb 5, 2013](#)

Engineering Mentor Program Networking Reception

[Sun, Feb 17, 2013](#)

Engineers Week

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RESEARCH NEWS

[Novel cellular circuit research featured in Nature](#)

Assistant Professor **Tae Seok Moon** and a group of researchers have created new genetic circuits using genes found in Salmonella and other bacteria that could program cells to sense a variety of environmental conditions.

[Rudy receives \\$1.5 million grant for electrocardiography research](#)

The National Heart, Lung, and Blood Institute awarded Professor **Yoram Rudy** a four-year grant for research titled "Inverse and Forward Problems in Electrocardiography."

[Efimov receives \\$2 million grant for heart failure research](#)

The National Heart, Lung, and Blood Institute awarded Professor **Igor Efimov** a four-year grant for research titled "Arrhythmogenic Remodeling in Human Heart Failure."

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