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 Washington University in St. Louis

Engineering

Engineering News

APRIL 2014

Engineer your way. Engineer at Wash U.

Meet Washington University Engineering alumnus Col. Bob Behnken, PhD, chief astronaut at NASA, and learn how he uses his WUSTL Engineering education every day.

[VIEW VIDEO](#)



STUDENTS



UMSL/WUSTL Joint Program student creates documentary about Stan Musial Memorial Bridge

Jim Tuxbury, a senior majoring in electrical engineering in the UMSL/WUSTL Joint Undergraduate Engineering Program, has spent the last four years working on a documentary about the making of the bridge.

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FACULTY



Moon receives National Science Foundation CAREER Award

Tae Seok Moon, PhD, assistant professor of energy, environmental & chemical engineering, has received a prestigious Faculty Early Career Development Award (CAREER) from the National Science Foundation.

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ALUMNI



Engineering Skills in a Health-Care World

"I like things that are complex, and there are a lot of very interesting problems with health care today. I want to be involved someday in helping to fix them," says alumna **Alice Ndikumana**.

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UPCOMING EVENTS

April 24

Wash U Racing Car Unveiling

RESEARCH NEWS

Washington University nets \$3.4 million Energy grant

The university will be contributing to

April 30

WUSTLnomics forum

April 30

Discovery Competition finals

May 15

Undergraduate Engineering Student Recognition Ceremony

May 16

All-University Commencement

May 16

Graduate Engineering Student Recognition Ceremony

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President Barack Obama's sweeping climate action plan with research funded by a \$3.4 million grant from the U.S. Department of Energy.

Groundbreaking optical device could enhance computers, lasers

Engineers have used a "whispering gallery" phenomenon with an optical device that may lead to new and more powerful computers that run faster and cooler.

Copper nanowires could become basis for new solar cells

By looking at a piece of material from a different angle, **Parag Banerjee**, PhD, and his team discovered how copper sprouts grass-like nanowires that could one day be made into solar cells.

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VIDEO: Meet the 2014 Alumni Achievement Award winners. Six alumni received awards in a ceremony March 20 at the Chase Park Plaza. View individual profiles of each recipient.

[VIEW VIDEO](#)

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