

NIDEC MOTOR CORP. GIVES ECE LAB A \$100K BOOST

Thanks to a \$100,000 gift from St. Louis-based Nidec Motor Corp., the undergraduate power laboratory in Emerson Hall has relocated and expanded. The gift also supports lab equipment upgrades.

"We have an awesome power program, but our undergraduate lab has been sorely in need of an upgrade," says **Daryl Beetner**, chair of electrical and computer engineering. "Nidec's donation has allowed us to modernize and expand the lab equipment and to better prepare our students for jobs in industry."

The gift will allow the lab to be expanded by 25 percent with the relocation. New equipment will include digital power analyzers, multimeters, power supplies, connection panels, cables, oscilloscopes, probes and a motor drive.

The power lab is used by every undergraduate student in electrical engineering for required labs in electromechanics and power system design and analysis. Students use the lab to conduct experiments and tests on all aspects of electrical power including motor control, energy conversion, system integration and design optimization.

Nidec Motor Corp. is a manufacturer of industrial, commercial and residential motors. Nidec motors are used in everything from computers, home appliances and automobiles to large machinery in the mining, water treatment and power-generation industries.

A longtime S&T industry partner, Nidec has also provided funding for an endowed scholarship and the senior design lab in electric and computer engineering.

"Like Missouri S&T, Nidec has a long history of fostering discovery, creativity and innovation," says **John Hussey**, EE'81, Nidec's vice president of engineering. "We're proud of our past accomplishments, but we know that developing next-generation talent is essential for our future success. The benefits of this investment will be far-reaching as S&T students meet the world's challenges, demands and opportunities."