The dedication of
Preston M. Green Hall
FRIDAY, SEPTEMBER 23, 2011

Washington University in St. Louis
School of Engineering & Applied Science
The defining characteristic of the School of Engineering & Applied Science at Washington University is an eagerness to cross boundaries in research and education. Internationally recognized as an engineering school in serving society, the School of Engineering & Applied Science brings together faculty and students—across all engineering disciplines—to develop innovative solutions for the most urgent needs facing the world: cleaner energy and environment, more secure cyberspace and advanced information technology, improved infrastructure, and better medicine.

Preston M. Green Hall is much greater than one building: it is a multidisciplinary hub that brings together numerous researchers, educators, and students—all focused on creating revolutionary new knowledge and preparing leaders for a global, technology-driven world.

Green Hall is the third building in a new complex of engineering buildings at the northeast perimeter of the Danforth Campus. This latest investment by Washington University and the School of Engineering & Applied Science represents a commitment to the region, nation, and world.
Born in 1915 in St. Louis, Preston M. Green received his Bachelor of Science degree in electrical engineering from Washington University in 1936. After graduation, Mr. Green worked in a local factory until he joined Southwest Steel Supply Co. in 1950 as vice president of purchasing and production. He became president in 1955 and chairman of the board in 1957. During his career at Southwest Steel, Mr. Green was responsible for adding a second manufacturing plant in Madison, Ill., and growing his company into the leading processor of steel throughout the Midwest.

Mr. Green designed most of the equipment used by Southwest Steel, and was acknowledged for creating more efficient processing procedures. He was recognized nationally for his leadership and vision within the steel industry, including receiving the Steel Distributor of the Year award in 1986 from the Association of Steel Distributors.

In 1990, Mr. Green sold Southwest Steel to Hanwa American, a subsidiary of the Hanwa Corporation of Japan. Mr. Green died in 2003, but his legacy continues today through his many contributions, both professional and philanthropic. In 2006, Washington University Chancellor Mark S. Wrighton announced an $8 million commitment from the late Preston Green to support the School of Engineering & Applied Science and the Preston M. Green Department of Electrical & Systems Engineering.

Mrs. Preston Green, his widow, lives in St. Louis and serves on the advisory board for the Preston M. Green Charitable Foundation, which continues to support several charities within the St. Louis community. In 2010, the Preston M. Green Charitable Foundation committed an additional $5 million to support construction of Preston M. Green Hall.

“Preston M. Green Hall is more than a magnificent new facility. Generations of outstanding students will be educated and contribute to the discovery of new engineering knowledge in the classrooms and laboratories of Green Hall. As a gathering place for scholars dedicated to bringing benefit to humankind through new technologies, Green Hall represents a commitment to addressing the world’s most pressing challenges.”

— CHANCELLOR MARK S. WRIGHTON
Charles M. Vest is President of the National Academy of Engineering and President Emeritus of the Massachusetts Institute of Technology.

Dr. Vest earned a Bachelor of Science in mechanical engineering from West Virginia University in 1963, and MSE and PhD degrees in mechanical engineering from the University of Michigan in 1964 and 1967 respectively. He joined the faculty of the University of Michigan as an assistant professor in 1968 where he taught in the areas of heat transfer, thermodynamics, and fluid mechanics, and conducted research in heat transfer and engineering applications of laser optics and holography. He and his graduate students developed techniques for making quantitative measurements of various properties and motions from holographic interferograms, especially the measurement of three-dimensional temperature and density fields using computer tomography. He became an associate professor in 1972 and a full professor in 1977.

In 1981 Dr. Vest turned much of his attention to academic administration at the University of Michigan, serving as associate dean of engineering from 1981-86, dean of engineering from 1986-1989, when he became provost and vice president for academic affairs. In 1990 he became president of the Massachusetts Institute of Technology (MIT) and served in that position until December 2004.

As president of MIT, he was active in science, technology, and innovation policy; building partnerships among academia, government and industry; and championing the importance of open, global scientific communication, travel, and sharing of intellectual resources. During his tenure, MIT launched its OpenCourseWare (OCW) initiative; co-founded the Alliance for Global Sustainability; enhanced the racial, gender, and cultural diversity of its students and faculty; established major new institutes in neuroscience and genomics medicine; and redeveloped much of its campus.

He was a director of DuPont for 14 years and of IBM for 13 years; was vice chair of the U.S. Council on Competitiveness for eight years; and served on various federal committees and commissions, including the Presidents Committee of Advisors on Science and Technology (PCAST) during the Clinton and Bush administrations, the Commission on the Intelligence Capabilities of the United States Regarding Weapons of Mass Destruction, the Secretary of Education’s Commission on the Future of Higher Education, the Secretary of State’s Advisory Committee on Transformational Diplomacy and the Rice-Chertoff Secure Borders and Open Doors Advisory Committee. He serves on the boards of several non-profit organizations and foundations devoted to education, science, and technology.

In July 2007 he was elected to serve as president of the U.S. National Academy of Engineering (NAE) for six years. He has authored a book on holographic interferometry, and two books on higher education. He has received honorary doctoral degrees from seventeen universities, and was awarded the 2006 National Medal of Technology by President Bush and received the 2011 Vannevar Bush Award.
ESE Lab space

Clockwise from top: Lab space for the Preston M. Green Department of Electrical & Systems Engineering; South-facing exterior; Gast Window in collaboration area

Rodin Classroom located on the lower level of Green Hall
Preston M. Green Hall

**facts**

**GROUNDBREAKING CEREMONY**
April 30, 2010

**DEDICATION CEREMONY**
September 23, 2011

**83,849 square feet**

**COLLEGIATE GOTHIC EXTERIOR**

**DESIGNED FOR LEED GOLD RATING**

**DESIGNED FOR 17 LABORATORIES**

**150 CLASSROOM SEATS**

**HOME OF**

Preston M. Green Department of Electrical & Systems Engineering (ESE)

> ese.wustl.edu

**SPACE FOR**

International Center for Advanced Renewable Energy & Sustainability (I-CARES)

> icares.wustl.edu

Department of Energy, Environmental & Chemical Engineering (EECE)

> eece.wustl.edu

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GREEN HALL

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