

# The Gene-H.-Kruger Pavilion wins Québec City's Architecture Merit Award

**O**n November 22, 2006, during its annual Architectural Merit Gala, Québec City honoured a number of property owners, promoters, designers and those who carried out outstanding architectural projects.

The Architectural Merit program entered 73 beautiful architectural achievements in 2006, including projects as varied as residences, businesses, public buildings, signs and industrial buildings. An eight-person jury carefully evaluated these projects and chose a winner in each category.

The Gene-H.-Kruger Pavilion won the award in the "Public and Institutional Building category".

"Québec City's Architectural Merit contest allowed the population to discover architectural projects of very high quality. These achievements enrich the built heritage of a city that is already known for its architectural treasures," says Andrée P. Boucher, Mayor of Québec City.

If you should find yourself in Québec, the Gene-H.-Kruger Pavilion is located at 2425 rue de la Terrasse, in the Sainte-Foy – Sillery Borough.

## A Green Building

In order that current and future generations may have a learning environment that is inspiring and sustainable, Université Laval decided to build a pavilion with "green" characteristics. The structure of the building is 8,000 m<sup>2</sup> in area, and is made entirely from wood, which provides an exceptional showcase for the various uses of wood. Local products were favored to encourage the regional economy, and to minimize pollution and associated transportation costs.

Built from materials that are non-polluting, non-toxic, recycled and renewable, the building integrates a bioclimatic approach. One part of the laboratories acts as an acoustic screen for the teaching area, which is protected from noise and winds and directly exposed to the morning sun. Solar collector walls were also installed, a first at Université Laval.

The natural lighting and ventilation have been optimized throughout the building. Thanks to its orientation, it takes maximum advantage of natural lighting, which is paramount in winter. This also permits a reduction of energy

costs associated with heating, and the building therefore offers an environment with optimal air, acoustics, and lighting quality.

Finally, the pavilion is equipped with a system for composting waste, and like all other Université Laval buildings, it has a waste recycling system.

## History of the Pavilion

Université Laval had recently inaugurated the Gene H. Kruger Pavilion to preserve the memory of Kruger's valuable commitment to the mission of forest research and teaching. Gene H. Kruger (1902 - 1988) was the son of the founder of Kruger Inc. and father of Mr. Joseph Kruger II, Chairman and CEO of Kruger Inc. A bust of the late Gene H. Kruger was unveiled at the inauguration ceremony on October 13, 2005.

The Pavilion houses the Wood Research Center, which has some 20 highly experienced researchers and receives about 12 post-doctoral trainees and more than 50 master's and doctoral students. Students and researchers take advantage of state-of-the-art technology that will allow them to test the wood, its components and converting methods. The pavilion contains more than 16 laboratories, each dedicated to a specific aspect of wood, including its anatomy, physics, chemistry, preservation, finishing, drying, milling, biodegradability, joinery work, framing, composite panels, and mechanical testing.

