



SCIENCE REDISCOVERED

A Campaign for Science and Leadership

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FAST FORWARD ... INVENTING THE FUTURE

Opening Date: June 10, 2008

Square Footage: 4,800 sq. ft.

Museum Location: Main Floor, East Pavilion

Fast Forward ... Inventing the Future is an exhibit that will showcase concepts, breakthroughs and emerging technologies that have the potential to change our world for years to come. This experience is about dreaming, posing questions, developing ideas and solving seemingly insurmountable challenges. Guests and school groups will be able to immerse themselves in the creativity that is shaping our collective future.

The *Fast Forward* gallery will awaken the inner inventor in Museum guests by highlighting cutting-edge scientists, engineers, inventors and entrepreneurs that are transforming the world in which we live. Guests will get a sneak peek at how their ideas will shape and advance our society in the areas of agriculture, transportation, entertainment, energy and much more. With each visit there will be an opportunity to explore new ideas and test the latest groundbreaking technologies and products. Guests will discover the revolutionary, inspiring and sometimes provocative work of these innovators. Hear their stories in their own words. What made them look at the world around them and see something different from everyone else? What drives their curiosity? What hopes do they have for the future? What is the impact of their work on our lives?

Every visit to *Fast Forward* will be different as new people doing amazing things are profiled. Some of the first inventors featured include:

- **David Hanson, Robotics Engineer** – Hanson has developed extremely lifelike robots that display emotions and can carry on conversations. His patented robot skin, Frubber™, is close to human skin in flexibility and texture, allowing for a very human appearance.
- **Dickson Despommier, Medical Ecologist** – Despommier's "Vertical Farms," built in the heart of big cities, are designed to feed the local population, purify the waste water, provide drinking water and create clean energy from recycled plant waste.
- **Peter Diamandis, Commercial Space Entrepreneur** – Diamandis is the founder of the Ansari X-PRIZE, a competition that aims to jumpstart a commercial space industry. His company, Zero G, provides the general public the opportunity to experience zero gravity.
- **Ryan Genz and Francesca Rosella, Interactive Fashion Designers** – Genz and Rosella are creating new interfaces for personal expression with clothes that can express emotion, respond to environments and communicate over long distances.
- **William Kamkwamba, Entrepreneur** – Kamkwamba, at 20-years-old, has built several windmills to provide electricity to his small village in Malawi, Africa. Self taught using an old text book from the library, he used gum trees and old bicycle parts to build the windmill to power his family's home.

With *Fast Forward*, guests, students and teachers will also get a behind-the-scenes tour of groundbreaking works currently in progress by today's innovators. Their work will periodically be updated so guests can track the progress of an invention—all the while providing support, encouragement and feedback to today's visionaries.

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