Japan is synonymous with groundbreaking inventions and scientific breakthroughs. From trains to robotics to fabrics to the increasingly important field of environmental technology, Japan leads the world. Be the first to discover the future of science and technology.
Virtuous Cycles

Eco-Bike Stations Sport Solar Panel Rooftops

The city of Setagaya in Tokyo has long been active in supporting environmental conservation. It is now garnering attention for its introduction of eco-friendly electric bicycles and two Solar Parking Lots powered by solar cells and lithium-ion batteries. The initiative is part of the city’s efforts to realize a low-carbon society.
Robot Caregivers

Help for Those on the Front Line of Nursing Care

A wide variety of robots are under development in Japan, and caregiving robots are among those attracting particular attention. Given the aging of the population, public and private institutions are working to develop robots that can assist with nursing care. In recent months robots have been unveiled that are designed to help elderly and disabled people get in and out of bed and to assist with their transportation.
Japanese researchers have developed a revolutionary type of glass that can show visually how loud a sound is and which direction it is coming from on a transparent display. Unlike ordinary sound measuring instruments, the Soundglass shows information on sounds emanating from the area that can be seen through the transparent display. Its applications include monitoring noise at electric power plants and other facilities to check for anomalies.
Japanese carmakers are making big strides in the field of "personal mobility technology," or one-person devices for taking people from one place to another. Honda and Toyota have each unveiled machines that allow users to travel in whatever direction they choose simply by shifting their body weight. By combining their work in robotics development with their expertise in automotive technology, these two Japanese firms are establishing a growing presence in this burgeoning field.