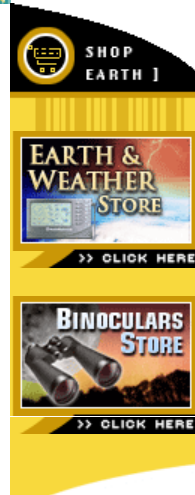




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U.S. Losing Robotics Edge

By [Bjorn Carey](#)
LiveScience Staff Writer
posted: 12 September 2005
10:29 am ET

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This Friday more than a dozen robots will get together to spend the day hopping, walking, rolling and flying.

Think of it as a robot carnival. The National Science Foundation invited the automaton and their creators to an exhibition intended to showcase the best advanced robotics technology the U.S. has to offer.

The exhibition in Arlington, VA was planned as a release party for findings from a two-year study evaluating robotics research and development in the United States, Japan, Korea, and Western Europe.

The U.S. leads the way in areas such as robot-assisted surgery and mobile space robots, but is losing ground in other fields. The U.S. once dominated in the development of robots designed for service

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inspected more than 50 up the report. The work was ation, NASA, and the National

curity has already recognized the United States' slipping lead in a key area of robotics: artificial intelligence (AI).

"The United States leadership position in AI is eroding as the governments and companies in Japan, and as well as in Western European, working together, have gained ground," the agency states on its web site. "In select areas of AI, Japan and Western Europe now surpass the U.S."

Here's a sampling of the attendees at Friday's gathering:

- A six-legged bug bot that's one of the most speedy and mobile robots around.
- A robotic brain surgeon that can deal with an aneurysm or drill a hole in your skull.
- A soda-can sized robot that speeds around on two wheels taking video of everything it sees.
- A humanoid robot head that can learn facial gestures and look

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at things it finds interesting.

- A full-size replica of a Mars Exploration Rover.

The demonstrations, including opportunities for visitors to control some of the robots, will be at the National Science Foundation and are open to the public from 2:30 - 5:00 p.m. [\[Directions\]](#).

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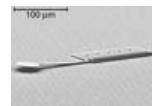
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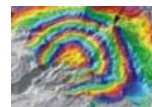
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