

PRESS RELEASE

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NI Demonstrates Cyber-Physical Systems at the SmartAmerica Challenge

NI is working with major companies and universities to show the potential of a smart emergency response system and an interconnected energy system.

AUSTIN, Texas – June 11, 2014 – NI, the provider of solutions that enable engineers and scientists to solve the world’s greatest engineering challenges, today demonstrated two cyber-physical applications at the [SmartAmerica Challenge](#) in Washington, D.C. NI collaborated with major companies and universities, including BluHaptics, Boeing, the National Renewable Energy Laboratory and the University of Washington, to create a smart emergency response system and an interconnected energy system.

The SmartAmerica Challenge brings together thought leaders to demonstrate the potential of cyber-physical systems to improve safety, sustainability and overall quality of life. Over 100 organizations come together to showcase the results that they hope to achieve and demonstrate how cyber-physical systems can create jobs, new business opportunities and socio-economic benefits.

“The SmartAmerica Challenge is an important milestone in the evolution of cyber-physical systems,” said Dr. James Truchard, president, CEO and cofounder of NI. “Our company has been actively involved in investigating and defining this concept since its early days and believes it’s a field of tremendous impact.”

Over the past decade, NI has invested significantly in the development of technologies that are crucial to designing and building cyber-physical systems, bringing multiple models of computation, real-time computing and advanced wireless technologies into a cohesive platform. NI helps engineers and scientists implement cyber-physical systems through a platform-based design approach that uses system-level development solutions and commercial off-the-shelf hardware.

As part of a continued effort to foster innovation and technologies for cyber-physical systems, NI will host a SmartAmerica Challenge – Austin Edition during [NIWeek](#), the company's annual user conference (August 4–7, 2014 in Austin, Texas). The event will bring together leaders in cyber-physical systems from industry, academia and research, including Dell, Intel, TU Dresden and UC Berkeley, to present tangible and measurable benefits to our society and foster collaboration among organizations. During the event, NI, Airbus and Bosch will also discuss the joint efforts around Factories of the Future and the opportunities that it will create.

About Cyber-Physical Systems

Cyber-physical systems bridge the cyber and physical worlds and are characterized by computation, communication and control. These systems are dynamic, complex, distributed and interconnected.

About National Instruments

Since 1976, National Instruments (www.ni.com) has equipped engineers and scientists with tools that accelerate productivity, innovation and discovery. NI's graphical system design approach provides an integrated software and hardware platform, speeding the development of any system needing measurement and control. NI ensures customer success with an ecosystem of services, support and more than 700 Alliance Partners worldwide. The company's long-term vision and focus on improving society through its technology also enables the success of its employees, suppliers and shareholders.

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