



National Instruments Germany GmbH
Ganghoferstraße 70 b ● 80339 München
Tel.: 089 7413130 ● Fax: 089 7146035

PRESS RELEASE

Editor Contact: Rahman Jamal, Technical & Marketing Director Europe
Eva Heigl, Marketing Communications Manager Central European Region
Tel.: +49 89 7413130
Fax: +49 89 7146035

National Instruments Introduces USRP RIO Next-Generation Wireless Prototyping Platform

Prototype wireless systems faster, significantly shorten time to results with USRP RIO.

AUSTIN, Texas – April 15, 2014 – National Instruments (Nasdaq: NATI) today announced an integrated software defined radio solution for rapidly prototyping high-performance, multichannel wireless communication systems. The [NI USRP RIO platform](#) is built on the [NI LabVIEW RIO](#) architecture and combines a high-performance 2 x 2 multiple input, multiple output (MIMO) RF transceiver capable of transmitting and receiving signals from 50 MHz to 6 GHz with an open LabVIEW programmable FPGA architecture.

Wireless engineers can use this technology to rapidly prototype real-time wireless communications systems and test them under real-world conditions. They can also prototype more capable wireless algorithms and systems faster and reduce time to results using the only complete platform to take full advantage of a graphical system design approach. The USRP RIO family delivers high-performance, real-time processing capability with the Xilinx Kintex-7 Series FPGA, low latency with the PCI Express connection to a host computer and small size (1U half wide, 19 in. rack mountable).

USRP RIO is ideal for a wide range of application areas including 5G wireless communications research, active and passive radar development and exploration, communications intelligence, connected smart devices and more. NI USRP™ (Universal Software Radio Peripheral) is already a popular platform for research spanning industry and academia as it empowers researchers to rapidly iterate on designs via programmable software. For example, a [recent Lund University announcement](#) highlights a 5G research application focusing on massive MIMO – a technology being considered for 5G communication.

Visit <http://www.ni.com/usrp> to learn more about the USRP RIO family.

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.

Reader Contact:

Germany:

National Instruments Germany GmbH
Ganghoferstraße 70 b | 80339 München
Tel.: +49 89 7413130 | Fax: +49 89 7146035
info.germany@ni.com | ni.com/germany

Austria:

National Instruments GesmbH
Plainbachstr. 12 | 5101 Salzburg-Bergheim
Tel.: +43 662 457990-0 | Fax: +43 662 457990-19
ni.austria@ni.com | ni.com/austria

Switzerland:

National Instruments Switzerland Corp. Austin,
Zweigniederlassung Ennetbaden
Sonnenbergstr. 53 | 5408 Ennetbaden
Tel.: +41 56 2005151 | Fax: +41 56 2005155
ni.switzerland@ni.com | ni.com/switzerland