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April 20, 2016 02:00 ET

## GARR Deploys Infinera for Multi-Terabit Research & Education Network in Italy

SUNNYVALE, CA--(Marketwired - April 20, 2016) - Infinera, provider of [Intelligent Transport Networks](#), announced that GARR, the Italian Research & Education Network, has deployed the [Infinera DTN-X XTC Series](#) to deliver advanced services and increase network efficiency as GARR scales its network capacity.

GARR designs and operates Italy's national high-speed telecommunication network for university and scientific research. With the Infinera Intelligent Transport Network, GARR offers high-bandwidth connectivity and advanced services to Italy's national scientific and academic community, an association of user organizations with more than 1,000 sites across the country. Infinera's Intelligent Transport Network enables GARR to take advantage of [Instant Bandwidth](#), which provides network operators with the ability to deploy additional bandwidth on the basis of their user's requirements. GARR can now deploy and provide additional bandwidth in 100 gigabits per second (Gb/s) increments on the same day with a single click of a mouse in the Infinera Digital Network Administrator (DNA) management system. This allows GARR to differentiate its services by shortening provisioning times and accelerating service delivery.

The Infinera DTN-X XTC Series enables GARR to deliver 100 Gb/s coherent transmission via 500 Gb/s super-channels today and supports a forward-scale design to provide terabit super-channels in the future. The high capacity super-channels are made possible through the use of 500 Gb/s photonic integrated circuits (PICs) developed and fabricated by Infinera -- the only supplier delivering 500 Gb/s of transmission capacity from a single line card today. The DTN-X XTC Series integrates dense wavelength division multiplexing super-channel transmission with optical transport network (OTN) and packet switching for sub-wavelength service management. With up to 12 Tb/s of non-blocking OTN switching in a single bay upgradeable from 5 Tb/s, the DTN XTC Series provides seamless expansion as traffic requirements grow in the future.

"The innovative FlexCoherent Processor and PIC technology behind Infinera's Intelligent Transport Network provide GARR the advanced capabilities needed to deliver critical services to the research and university community across Italy," said Massimo Carboni, GARR CTO. "The flexibility, speed of service delivery and rich network management system provided by the Infinera Intelligent Transport Network and Instant Bandwidth enable us to scale network bandwidth and accelerate service innovation to support large research and education development projects."

"Research and education networks deliver massive amounts of mission-critical data and require transport solutions that are simple to operate and deliver advanced services quickly," said Nick Walden, Senior Vice President, EMEA Infinera. "We are pleased to see increased adoption of Infinera Intelligent Transport Networks and are committed to providing GARR with solutions that offer high levels of scalability, flexibility and programmability while simplifying network operations."

### About GARR

GARR is the Italian Research & Education ultra-broadband network. Its main goal is to provide high-bandwidth connectivity, advanced services and e-Infrastructures support, thus enabling the Italian Research and Academic community to collaborate worldwide. All academic and major scientific organizations in Italy connect to the GARR network. Currently, about 1,000 user sites are connected to the GARR network, including Research Organizations, Universities, Observatories, Laboratories, Biomedical research institute and hospitals, Music Conservatories and Academies of Art, Libraries, Schools, Museums and other Scientific and Educational Facilities of national and international relevance, for overall more than 2 million end users. GARR is connected to the European Network GÉANT and thus with all the other European NRENs.

### About Infinera

Infinera (NASDAQ: [INFN](#)) provides Intelligent Transport Networks, enabling carriers, cloud operators, governments and enterprises to scale network bandwidth, accelerate service innovation

and simplify optical network operations. Infinera's end-to-end packet-optical portfolio is designed for long-haul, subsea, data center interconnect and metro applications. Infinera's unique large scale photonic integrated circuits enable innovative optical networking solutions for the most demanding networks. To learn more about Infinera visit [www.infinera.com](http://www.infinera.com), follow us on Twitter @Infinera and read our latest blog posts at [blog.infinera.com](http://blog.infinera.com).

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This press release contains forward-looking statements including, but not limited to the benefits of Instant Bandwidth and the features and functionality of Infinera's DTN-X XTC Series packet optical transport networking solution. These statements are not guarantees of results and should not be considered as an indication of future activity or future performance. Actual results may vary materially from these expectations as a result of various risks and uncertainties. Information about these risks and uncertainties, and other risks and uncertainties that affect Infinera's business, is contained in the risk factors section and other sections of Infinera's Quarterly Report on Form 10-Q for the quarter ended December 26, 2015 as filed with the SEC on February 23, 2016, as well subsequent reports filed with or furnished to the SEC. These reports are available on Infinera's website at [www.infinera.com](http://www.infinera.com) and the SEC's website at [www.sec.gov](http://www.sec.gov). Infinera assumes no obligation to, and does not currently intend to, update any such forward-looking statements.

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