



MAGPI

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FOR IMMEDIATE RELEASE:

Philadelphia, PA October 9, 2015 – As part of its response to Big Data challenges facing every research institution, Temple University recently upgraded to MAGPI's 10 Gigabit per second link to Internet2. This is an increase in off-campus network capacity by a factor of 20 for Temple's research community and will permit very large data transfers to collaborators and funding agencies in the U.S. and around the world.

Larry Brandolph, Associate Vice President and Chief Information Security Officer, was largely responsible for making the decision to accommodate the university's growth in data-intensive research by increasing Temple University's connectivity to the global networks focused solely on research and education.

Using high-speed electronics tied directly to research laboratories, Temple will move enormous amounts of data directly from collection sites to high-performance computing analysis sites, whether on campus or on the other side of the world. Known as the "Science DeMilitarized Zone", or DMZ, faster data transfers means more productivity in the analysis process and less time waiting.

"We continue to make strides in providing a high-speed science DMZ," Brandolph said about Temple's efforts to support their scientific community. *"MAGPI allows Temple University to do that with many external colleges, universities and research facilities."*

Temple University is a public institution in Philadelphia that is making tremendous strides in virtually every area of academia. Not only has Temple moved up in the *U.S. News and World Report: Best Colleges* rankings, but the amount of funded research is also on the rise. This is a noteworthy accomplishment given the increased competition from other institutions and the static amount of dollars available for grant awards.

In addition to the merit of the scientific application itself, a grant submission involving extremely large data sets is also reviewed for the primary investigator's ability to manage the flow of information; from the point of collection, to the analysis site, to collaborators, to an archiving facility, and after publication, to a publicly accessible storage facility where the data can be used for other research. Where this data flow was once measured in Gigabytes, Terabytes are not uncommon, and Petabytes will soon be the norm. Temple is now well positioned to move large amounts of data in a timely and productive fashion, giving its researchers the ability to apply for new and larger research grants.

"Access to high-speed information technology is integral to many research endeavors, and I'm excited about Temple's technology enhancements to support our scholars," said Dr. Michele M. Masucci, Vice President of Research Administration. *"MAGPI helps support not only the highest-quality research but also promotes collaboration and continued growth in our research efforts."*

About MAGPI

For more information about the regional optical research and education network, MAGPI, please contact Greg Palmer at gpalmer@magpi.net or 215.898.0918

About Temple University

For more information on Temple University's research applications, please contact Brandon Lausch at blausch@temple.edu or 215.204.6533.

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