SWOSU Receives Subaward for Campus Cyberinfrastructure Grant

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Southwestern Oklahoma State University in Weatherford has been awarded a $61,186 subaward for a project—Multiple Organizational Regional One Oklahoma Friction Free Network (MORe OFFN)—and will work with several Oklahoma universities on the MORe OFFN.

The National Science Foundation proposal was written in response to the Campus Cyberinfrastructure Grant, specifically the Network Design and Implementation for Small Institutions program area. Dr. Jeremy Evert, assistant professor in the SWOSU Department of Business and Communication, is the principal investigator for SWOSU.

"Jeremy Evert's ability to build collaboration among our SWOSU students has been a wonderful boost to our computer science program," said SWOSU School of Business & Technology Associate Dean Dr. Patsy Parker. "Jeremy's network of computer science colleagues in Oklahoma, as well as other states, benefit from the projects he has implemented. The MORe OFFN project is especially exciting because of the partnership with our sister institutions."

The award focuses on expanding the network capabilities of Northeastern State University, Southeastern Oklahoma State University (SOSU), Rogers State University and SWOSU, which will allow for their involvement in the OneOklahoma Friction Free Network (OFFN), a science DMZ that will permit researchers to connect reliability to supercomputers and increase computational capabilities.

In an effort to develop these connections to the network, the following tasks will occur in the project: installation of required servers and switches to connect to the OFFN network; installation of perfSonar nodes at each institution; and deployment of OFFN at all four institutions.

As a result of the connection to OFFN, SOSU and SWOSU will develop a collaborative, team-taught class on parallel programming that will be offered online to students. Providing a course like this will help to meet the industry needs for individuals training in high performance computing.

"SWOSU is excited to receive support and recognition from the National Science Foundation," Evert said.