Roberto Perea
Enterprise High Performance Computing System Administrator

One of UTEP's goals is to prepare UTEP students to meet lifelong intellectual and career challenges to become the leaders of the 21st century. Roberto A. Perea characterizes this mission as his UTEP education has given him the skills to be a leader within UTEP's Enterprise Computing Department. Mr. Perea received his bachelor's and master's degree in Electrical Engineering and is currently working towards a Ph.D. in Environmental Science and Engineering. "My goal is to use HPC technologies to reduce the time it takes to make assessments for weather forecasters regarding air quality."

High Performance Computing (HPC) refers to the practice of aggregating computing power in order to deliver much higher performance systems. Perea's role in the university is essential to ensure that computer clusters are available, reliable, and ready to operate for researchers and faculty members. As an administrator of these systems, he is also responsible for troubleshooting, installation, and guidance of 22 virtual hosts that serve over 400 servers across UTEP. Some of his accomplishments in his position include the implementation of enterprise-level server virtualization solutions, the relocation and administration of the Research and Academic Data Center, the implementation of HPC cluster services, and the Virtual Computing Lab for research computing.

Mr. Perea has been an employee for the university for over fourteen years; five years as a student and nine years as a full-time employee. "I started as a student assistant at the Texas Centers for Economic Development, then as a Teaching Assistant for Engineering as a Windows and UNIX lab Operator and after graduation I started working full-time as a System Administrator." He believes that students should take advantage of campus employment opportunities, because the practical experience they learn will complement their education and make them profitable for a career in their field.

As UTEP continues its path towards becoming a Tier One institution, staff members such as Roberto Perea are essential in supporting the university's research infrastructure and ensuring that faculty members have the technology support to conduct their research. Thank you Roberto for your amazing contributions to UTEP!