Calyam works in cloud computing, computer networking, networked-multimedia applications and cybersecurity. With more than 90 papers published on these topics, he is a natural choice to lead MU’s Virtualization, Multimedia and Networking Lab. There, he and other computer scientists work to help perfect the next iteration of the internet and enable nonexperts in health care, manufacturing and public safety to easily benefit from cloud platforms.

A frequent collaborator, Calyam partnered with medical researchers to develop “Panacea’s Cloud,” which allows emergency responders to rapidly assess disaster scenes via Google Glass and other smart eyewear. Additionally, he and fellow computer engineers developed a cloud network that speeds researchers’ ability to use supercomputers for processing Big Data in disciplines such as bioscience and neuroscience.

Calyam has received funding from leading agencies including the National Science Foundation, the Department of Energy, IBM and Internet2. His research and software is the basis for a company, Narada Metrics. He consults for industry and government agencies wishing to develop advanced computing systems, and he serves as a senior member of the Institute of Electrical and Electronics Engineers.

Dr. Prasad Calyam is an associate professor of computer science, Robert H. Buescher Faculty Fellow and director of the Cyber Education and Research Initiative in the College of Engineering.