



### **Dr. Poonam Dharam**

**Dr. Dharam's** group focuses on analyzing and designing tools and techniques (bandwidth scheduling algorithms) to support big-data transfer and high-end real-time multimedia applications in Software-Defined Networks (SDN) to provide enhanced Quality of Service to users' applications. With the current COVID19 pandemic situation, the field of telemedicine has quickly evolved as the need of the hour and is now vital, catering to the needs of affected patients. Ensuring a sufficient bandwidth to maintain the quality of these calls is an essential element. Dr. Dharam's work is an essential utility to the field of telemedicine by reserving the required bandwidth that ensures safe medical practice by allowing uninterrupted video calls. Dr. Dharam's work in designing routing algorithms to ensure high end-user experience significantly impacts the future development of novel applications, including telehealth and big-data transfer.

Dr. Dharam graduated from the University of Memphis, TN, with Ph.D. in Computer Science in 2015. She received a Master's degree in Computer Engineering from Santa Clara University in 2010 and a bachelor's in Computer Engineering from Visvesvaraya Technological University (VTU) in 2005. Dr. Dharam is currently an associate professor at Saginaw Valley State University in the Computer Science and Information Systems Dept. She has published her research work in top-tier conferences, including ICCCN, GLOBECOM, NOMS, LCN, etc. She also served as a reviewer, track chair, and session chair. Dr. Dharam is presently an IEEE senior member.