



**Title:** Applications of MEMS in Optical Communication

**Date/Time:** Wednesday, July 30, 3:00 PM – 3:45 PM

**Location:** Renaissance Austin Hotel

**Description:** Microelectromechanical Systems (MEMS) are a promising technology for implementing various communication components to solve many technical challenges encountered in the current optical communication systems. Its applications include add/drop multiplexers, cross-connect optical switches, dispersion compensators, filters, gain equalizers, modulators, polarization controllers, tunable lasers and others. The purpose of this presentation is to review the applications of MEMS in optical communications and discuss the challenges in their implementation.

**Presenter:**

**Naseem Ishaq Qazi** holds a Ph.D. degree in Electronics from the University of London, U.K. and is currently an emeritus Professor in the School of Information Systems and Engineering Technology at the State University of New York Institute of Technology, Utica, New York. She teaches and conducts research in the areas of image processing and computer vision, computer aided design, data communications and multimedia technology. She has recently developed and taught two online graduate courses in the area of computer and Robotic Vision and Data Communication and multimedia technology, which were delivered by the SUNY learning network. She has taught and conducted research in England, the USA and the Middle East for over thirty years, and has won many academic and professional awards.