

# **BROADBAND DISPERSION COMPENSATING FIBERS AND FIBER AMPLIFIERS**

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The growth of Internet and data traffic has led to a steady increase in the bit rate and channel count of long-haul fiber-optic networks. In parallel, there has been considerable development in metro core and access network technologies to fully exploit the vast bandwidth inherent in optical fibers. This talk focuses on countering signal degradation caused by chromatic dispersion and unequal amplifier gain in both these systems.