

Digital Compensation of Fiber Nonlinearities

Guifang Li

CREOL, The College of Optics & Photonics
University of Central Florida
4000 Central Florida Blvd.
Orlando, FL 32816-2700
li@creol.ucf.edu

Abstract: Recent progress in nonlinearity compensation using coherent detection and digital signal processing will be presented. Efficient algorithms toward real-time implementation and polarization effects for polarization-multiplexed WDM transmission will be emphasized in this presentation.