

Dr Maurice O'Sullivan, Nortel, Canada

Progress in Real-Time, DSP Assisted, Coherent Optical Transmission

Biography

Maurice O'Sullivan has worked for Nortel for a score of years, at first in the optical cable business, developing factory-tailored metrology for optical fiber, but, in the main, in the optical transmission business developing, modeling and verifying physical layer designs & performance of Nortel's line and highest rate transmission product including OC-192, MOR, MOR+, LH1600G, eDCO and eDC40G. He holds a Ph.D. in physics (high resolution spectroscopy) from the University of Toronto and is a Nortel Fellow.

Summary

Ready high speed digital signal processing, DSP, has ushered in a new epoch of commercial coherent optical transmission. We present recent progress in this area.