

# **Abstract**

**Moustafa Hussein Aly**

## **Modified asymmetrically-clipped optical orthogonal frequency-division multiplexing system performance**

Improvement in bit error rate performance of asymmetrically-clipped optical orthogonal frequency-division multiplexing (ACO-OFDM) is achieved through proposed modification by using unipolar encoding. This modification eliminates the 3 dB difference between ACO-OFDM performance and bipolar OFDM.