

# Abstracts

## Simultaneous electro-optical upconversion, remote oscillator generation and air transmission of multiple optical WDM channels for a 60 GHz high capacity indoor system

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*H. Kaluzni, K. Kojucharow, W. Nowak, J. Peupelmann, M. Sauer, D. Sommer, A. Finger and D. Ferling. "Simultaneous electro-optical upconversion, remote oscillator generation and air transmission of multiple optical WDM channels for a 60 GHz high capacity indoor system." 1999 MTT-S International Microwave Symposium Digest 99.3 (1999 Vol. III [MWSYM]): 881-884 vol.3.*

Bidirectional transmission experiments have been carried out by advantageous use of WDM for simultaneous remote millimeter wave generation in a 60 GHz wireless LAN. Low bit error rates have been obtained under realistic conditions.

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