

# Abstracts

## Australian Activities in Microwave Links for Wireless LANs

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*R.A. Batchelor, J.W. Archer, T.S. Bird, S. Giugni, J.S. Kot, N. Nikolic, D.I. Ostry, T.M. Percival and A.C. Young. "Australian Activities in Microwave Links for Wireless LANs." 1993 MTT-S International Microwave Symposium Digest 93.2 (1993 Vol. II [MWSYM]): 677-680.*

The evolution of wireless connectivity will need to keep pace with the decrease in size of portable computers and the increase in available computing power. Relatively low bit-rate systems are now commonly available, and faster, second-generation systems are under development. In Australia, a program centred at the CSIRO Division of Radiophysics aims to develop third-generation wireless systems with capacities of order 100 Mbits per second in a cell. This paper discusses some of the issues relating to the design of millimetre-wave antennas and transceiver MMICS for operation at frequencies near the 60 GHz ISM band.

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