

# Abstracts

## Requirements for Radio-Wave Photonic Devices from the Viewpoint of Future Mobile Radio Systems

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*S. Komaki, K. Tsukamoto and M. Okada. "Requirements for Radio-Wave Photonic Devices from the Viewpoint of Future Mobile Radio Systems." 1995 Transactions on Microwave Theory and Techniques 43.9 (Sep. 1995, Part II [T-MTT] (Special Issue on Microwave and Millimeter Wave Photonics)): 2222-2228.*

Air interfaces of mobile communication are spreading widely because of diversified service demands, technology trends, and radio propagation conditions. This paper proposes the Radio Highway Network, which universally supports any mobile services and any mobile radio air-interface. As one example of the network, we analyze the optical TDMA signals for radio and show some requirements for radio-wave photonic devices.

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