

## **A Proposed Algorithm for Obtaining the Map of Subscribers' Density Distribution for a Mobile Wireless Communication Network**

**Authors :** C. Temaneh-Nyah, F. A. Phiri, D. Karegeya

**Abstract :** This paper presents an algorithm for obtaining the map of subscriber's density distribution for a mobile wireless communication network based on the actual subscriber's traffic data obtained from the base station. This is useful in statistical characterization of the mobile wireless network.

**Keywords :** electromagnetic compatibility, statistical analysis, simulation of communication network, subscriber density

**Conference Title :** ICICE 2014 : International Conference on Information and Communication Engineering

**Conference Location :** Cape Town, South Africa

**Conference Dates :** November 20-21, 2014