

Wireless Network Discovery

Dr. Robert Stafford

Network discovery usually implies the use of specialized hardware and software tools to determine the topological and temporal parameters of a communications network. Wireless networks often include the added complexity of mobile nodes, leading to a need for topographical information as well.

This talk examines some methods and tools that have been used at ITS to discover some of these aspects for PCS and cellular phone networks. The use of commercial drive-test systems in passive and active air-interface network metrology is addressed and several projects using these instruments are discussed.