

Systems, apparatus and methods are provided for measuring moving vehicle information. Moving vehicle information may be measured by a sensor configured to respond to one or more wheels of the moving vehicle, where one or more of the wheels change the characteristic impedance of the sensor at the wheel's contact location. An electrical time domain reflectometry signal processing system which is capable of measuring the change in the impedance of the sensor and converting the impedance change to a signal may be connected operatively to the sensor. A data-processing system receives the signal and extracts the moving vehicle information therefrom.