Abstract

Wireless Multimedia Sensor Networks (WMSNs) is simply a wireless sensor network supporting multimedia traffic by deployment of data sensors and multimedia sensors as the nodes. The requirements of the WMSN is much different and specific as compared to other genera wireless networks, hence requires more specific protocols designed for each layers.
These layers need to support the issues that multimedia traffic brings to the sensor networks, e.g. QoS, energy, MAC layer, bandwidth, etc. However it doesn't support the cause that these protocols are being treated as independent identities, as WMSN requires a cross-layer optimization of these protocols for proper functioning. With the assumption that most of the multimedia traffic consists of real-time video sensing and transmission, several solutions have been released, proposed and still are in research.

Reference

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Index Terms

Computer Science

Data Mining
**Key words**

Wireless Sensor Networks  
Multimedia Communications

Cross-layer protocol design

Quality of service