

A REVIEW ON MULTIMEDIA TRANSCODING TECHNIQUES ON TRANSCODING FOR WIRELESS NETWORKS

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ABSTRACT

The current IT infrastructure as well as various commercial applications are directly formulated based on deployment in multimedia system e.g. education, marketing, risk management, tele-medicines, military etc. One of the challenges found in using such application is to deliver uninterrupted stream of video between multiple terminals e.g. smart-phone, PDAs, laptops, IPTV etc. The research shows that there is a stipulated need of designing novel mechanism of bit rate adjustment as well as format conversion policy so that the source stream may stream well in diverse end devices with multiple configuration of processor, memory, decoding etc. This paper discusses various eminent points from literature that will throw better highlights in understanding a schema of direct digital-to-digital data conversion of one encoding to another termed as transcoding. Although multimedia transcoding has covered more than a decade in the area of research, but unfortunately, there is a huge trade-off between the application, service, resource constraint, and hardware design that gives rise to QoS issues.

KEYWORDS: Multimedia, Transcoding, Data-Format Conversion