

Broadcasting Network and Multicasting Network

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Abstract: *Due to the increasing demand for video and broadcast applications, multicast and broadcast communications are expected to assume a awfully very important role in returning 5G systems. This research trend is attempting to use, extend, or adapt reference transmission ways in which already designed for the conventional 4G technology. withal, apart the 2 reference and standardized methodologies, i.e., Multimedia Broadcast/Multicast Service and Single Cell-Point To Multipoint, several technical extensions and novel solutions were written at intervals the literature to the current purpose. Therefore, so on manufacture a transparent define on accessible solutions (already commonplaceized or just extending normal approaches), this work provides a comprehensive survey on network architectures, communication protocols, transmission strategies, and improvement algorithms to spice up the performance of multicast communications over mobile radio systems. The core of the conducted study represents a structured taxonomy, able to properly classify scientific contributions supported their reference ancient, targeted goal, addressed methodology, considered application domain, and obtained. Taking into thought this taxonomy, quite one hundred of scientific contributions ar given, classified, and reviewed. The study of the state of the art is additional increased with the discussion on necessary lessons learned, that clearly highlight the execs and cons of any investigated approach. attention is also provided on the foremost problems on future Evolution multicasting that require to be higher investigated, and make sure the potential future analysis directions on this subject. the last word goal of this work is to support analysis activities dedicated to the identification of promising methodologies, that with efficiency support the delivery of quantity of some time and on-demand video contents in a TV..*

Keywords: Network, Multicasting Network

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