An Intelligent Cloud Radio Access Network (RAN) Architecture for Future 5G Heterogeneous Wireless Network

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Abstract : 5G network developers need to satisfy the necessary requirements of additional capacity from massive users and spectrally efficient wireless technologies. Therefore, the significant amount of underutilized spectrum in network is motivating operators to combine long-term evolution (LTE) with intelligent spectrum management technology. This new LTE intelligent spectrum management in unlicensed band (LTE-U) has the physical layer topology to access spectrum, specifically the 5-GHz band. We proposed a new intelligent cloud RAN for 5G.

Keywords : cloud radio access network, wireless network, cloud computing, multi-agent
Conference Title : ICCT 2016 : International Conference on Communities and Technologies
Conference Location : New York, United States
Conference Dates : October 10-11, 2016