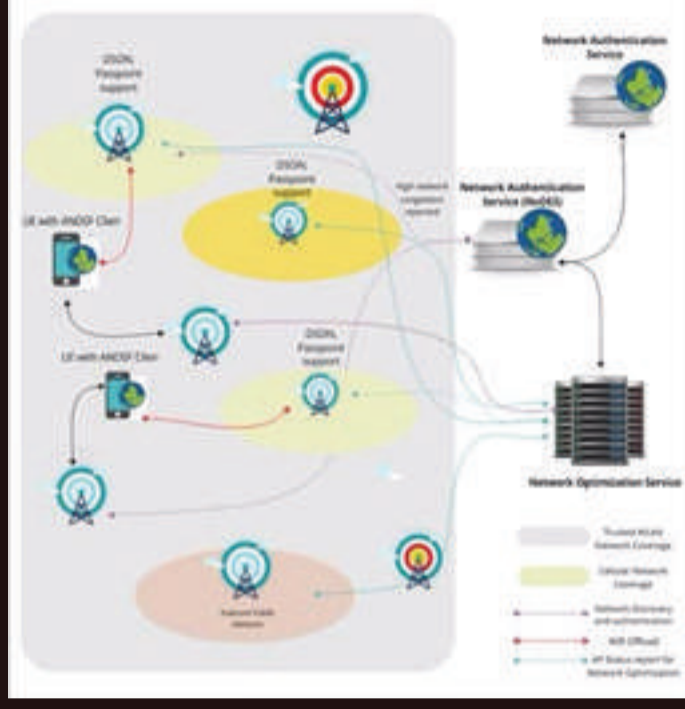




**Featured Article: Getting WiFi Offload to Work**

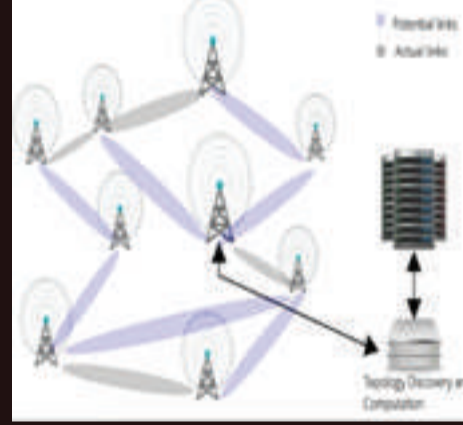


With the ubiquity of smartphones, Wi-Fi has made impressive strides to emerge as the transmission technology of choice for Internet data. In the 2014 issue of The Economist it is reported that 40% of Internet mobile traffic is carried on Wi-fi. Here's an article that discusses the commercial and technical advantages of using automatic cellular WiFi offload. It includes addressable problems of Wi-fi offload (viz. finding good service, security of access and seamless offload). The article concludes with HSC's service offerings and value proposition in addressing these problems.

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**SDN for mmWave Integrated 5G Networks - Making a Case**

Given the continuous demand for spectrum and the recent progresses in mmIC fabrication technology, we can expect to see mmWave migrate from the existing point to point backhaul links to a more dynamic role; fronthaul and eventually the access network. SDN is also deployed in terrestrial networks, providing great flexibility and significant enhancements in security. In this paper, we present scenarios depicting applicability of SDN principles in the RAN along with the challenges of SDN for wireless networks.



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**Improving Cell-edge Performance For Next Generation Networks**



The 5th generation cellular networks have set an explicit target to improve the performance of cell-edge users. This is widely acknowledged in the industry as being a challenge. This article discusses the existing mechanisms for cell-edge performance improvement such as Adaptive Channel Management, Network Node Cooperation, making use of small cells, harnessing co-ordinated multipoint and dynamic beamforming.

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**Positioning techniques for mobile devices in LTE**

Positioning is the process of determining the geographical location of a device such as a mobile phone, laptop or tablet computer, a personal digital assistant (PDA), or navigation or tracking equipment. Positioning technologies are gaining importance every day in mobile systems, demanding enhancements on accuracy, availability, and reliability. Applications using highly accurate wireless-device positioning are constantly being developed and enhanced.



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The much awaited Mobile World Congress 2016 was held at Barcelona from 22nd Feb to 25th Feb this year. A major revelation of the MWC16 was that phones no longer rule MWC, it's the internet that does. Here's what the Hughes Systique team unraveled at the Mobile World Congress.

[Click here to read the report.](#)