

# Slot based Radio Resource Management for Low Latency in LTE-Advanced System

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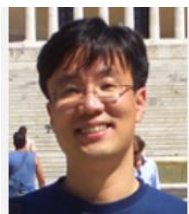
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**Abstract**— This paper proposes Slot TTI(transmission time interval) based radio resource management of LTE(Long Term Evolution)-Advanced for low latency. The LTE-A system could not support the new features introduced in 5G system such as low latency. Thus, enhanced Physical Downlink Control Channel (ePDCCH) evolved in LTE-A to fulfill the new requirements for low latency. This paper shows latency reduction by using slotted TTI and ePDCCH in LTE-A system. It is backward compatibility for 5G so that it can reduce radio latency.

**(Pt9)Keyword**— Low latency, short TTI, ePDCCH and LTE-A



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