# Webinar on Wireless Communication

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## Abstract

Conventionally, the user selection for non-orthogonal multiple access (NOMA) transmission is employed by techniques such as clustering, where disparities in channel and effective received power are exploited. However, these methods necessitate having channel state information (CSI) at the transmitter, which imposes significant overhead. Additionally, the successive interference cancellation (SIC) assisted detection at the receiver is sensitive to the CSI impairments which erodes the bit error ratio (BER) due to error propagation. In this webinar, I will discuss how fusion of machine learning with NOMA can circumvent this issue.