

CoE-MaSS weekly seminar series

THE DSI-NRF CENTRE OF EXCELLENCE IN
MATHEMATICAL AND STATISTICAL SCIENCES (CoE-MaSS)
PRESENTS A SEMINAR BY

Dr Bubacarr Bah
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***“Compressed Sensing –
exploiting redundancy in data”***

Friday, 4 October 2019
10h30-11h30

CoE-MaSS Seminar Room, 1st floor, MSB, Wits.

Traditionally compression is done after the acquisition of a signal and results in keeping a relatively small fraction of data when compared to what was initially acquired. One wonders why don't we acquire only this small amount of data to start with? Compressed sensing attempts to do this by combining the signal acquisition and compression processes. This depends on some redundancy assumption on the signal, information preservation property of the sensing matrix and the efficiency and accuracy of the recovery algorithm. In addition to the mathematical formulation of the compressed sensing problem, these concepts and the application of compressed sensing will be discussed in this talk.



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