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A REVIEW ON THE DISTRIBUTED SENSING PERSPECTIVE OF COMPRESSIVE SENSING

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ABSTRACT

Recently, compressed sensing (CS) has been considered as a tool to surpass the traditional limits of Nyquists' sampling Theory. The CS theory suggests that sparse signals and images can be reconstructed from fewer samples which are obtained at the rate far below the Nyquist rate. Also this will help to underlie procedures for sampling and compressing data simultaneously. Like many other fields, CS also found successful applications in Multi-sensor communications networks. CS is having applications in the detection and estimation of various signals in sensor networks and network monitoring, etc. This survey gives a brief idea about compressive sensing and then goes on to review different Applications on multisensory networks

KEYWORDS: Compressive Sensing, Incoherence, Sensor Networks, Sparsity, etc.,