Title: *On Locally Recoverable Error-Correcting Codes.*

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Abstract: Whenever data is transmitted across a channel, errors are likely to occur and the received message may not be identical to the original message sent. An error-correcting code is an algorithm for expressing a sequence of elements such that any errors formed during data transmission can be detected and possibly corrected. A locally recoverable code is a special kind of error-correcting code such that any symbol of a codeword can be recovered from a set of other coordinates. In this talk, I will discuss some recent developments of locally recoverable codes that use algebraic code constructions, and share some recent work on locally recoverable quasi-cyclic codes.