1163-AI-1672          **Shubhangi Saraf\***, shubhangi.saraf@gmail.com. *Some recent results on high rate local codes.*
In this talk we will give a high level survey on some recent results about high rate locally testable and locally decodable codes. I will discuss the construction of high rate locally testable and locally decodable codes with subpolynomially small query complexity. Time permitting I will also mention constructions of locally testable and locally decodable codes with rate and distance approaching the Gilbert-Varshamov bound (which is the best rate-distance tradeoff known for general binary error-correcting codes). Based on joint works with Swastik Kopparty, Or Meir, Rafael de Oliveira, Noga Ron-Zewi, Mary Wootters, Rafael de Oliveira, Sivakanth Gopi  (Received September 16, 2020)