1171-94-174   **Allison Beemer*** (`beemera@uwec.edu`) and **Ariel Liu**. *Authenticated Partial Correction in Adversarial Networks.*

Consider a setting where a malicious adversary may occasionally be corrupting a communication channel, but is inactive most of the time. In the case of a point-to-point channel with a single sender and receiver, we can exceed the adversarial communication capacity of the channel by loosening the traditional message correction requirement to one of authentication, where users correct when the adversary is not active but otherwise are allowed to discard corrupted messages. In a network setting, further nuance is possible: we may be able to guarantee that some positive portion of messages can be recovered even when the adversary is active. In this talk, we will discuss the constraints of the related coding problem and directions for code design for authenticated partial correction over particular classes of networks. (Received August 10, 2021)