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**Sinan Gunturk\*** (gunturk@cims.nyu.edu) and **Evan Chou**. *Distributed noise-shaping and beta encoding for general sampling systems*. Preliminary report.

This talk is on a new class of noise-shaping quantization and reconstruction algorithms for frame-based as well as compressive measurement systems. With these algorithms, we show how to achieve, for any given quantization alphabet size, near-optimal accuracy for Gaussian frames and compressive sampling systems as well as some classical deterministic frames in both finite and infinite dimensions. (Received September 16, 2014)