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Ilker Kocyigit* (ilkerk@gmail.com). *l1 minimization-based imaging with multiple measurements.*

In this talk, we discuss some of the recent developments in l1 minimization-based imaging methods, in particular, the cases where "multiple measurements" are available. We discuss the conditions under which these multiple data can be useful to improve quality of the reconstructions and the usage of multiple data in reweighted schemes where the unknown does not satisfy sparsity conditions. (Received February 19, 2018)