Abstract:

In this talk, we will discuss a new type of a pseudo-random object called a "pseudo-random pseudo-distribution". This object was introduced in the context of the BPL vs. L problem, and I will sketch a space-efficient construction of the latter for read-once branching programs that has near-optimal dependence on the error parameter. The talk is a distillation of a joint work with Mark Braverman and Sumegha Garg (the paper is available online: https://eccc.weizmann.ac.il/report/2017/161/).