Speaker: Johanna Franklin

Title: Bases for weak reducibilities

Abstract: A base for randomness is a set *A* that is computable from some *A*-random set *Z*. We can extend this concept to reducibilities other than the standard Turing reducibility: given a weak reducibility \leq_W , we say that a set *A* is a *W*-base for randomness if $A \leq_W Z$ for some *A*-random set *Z*. In this talk, I will present some results on the sets that are bases for *JT*- and *LR*-reducibility.

This work is joint with Keng Meng Ng and Reed Solomon.