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Haitian Yue*, 3620 S. Vermont Ave., Los Angeles, CA 90089-2532, **Yu Deng**, 3620 S. Vermont Ave., Los Angeles, CA 90089-2532, and **Andrea Nahmod**. *Random tensors, propagation of randomness, and nonlinear Schrödinger equations*.

In this talk, we will discuss recent developments on the propagation of randomness, in the setting of random data problems for nonlinear Schrödinger equations. In particular, I will present a new framework called the theory of random tensors that proves almost-sure local well-posedness in the optimal ("probabilistic subcritical") range of regularity. This is work with Yu Deng (USC) and Andrea Nahmod (UMass Amherst). (Received February 16, 2021)