

## Sensing, Entanglement, and Scrambling

*Wednesday, 19 February 2020 08:00 (30 minutes)*

We will begin by discussing optimal entanglement-based protocols for measuring spatially varying fields with a sensor network. We will then discuss fast protocols for preparing the required entangled states and lower bounds on the preparation time. Finally, we will discuss applications of these and related bounds to quantum information scrambling.

**Presenter:** GORSHKOV, Alexey

**Session Classification:** Morning session