

## CONDENSED MATTER THEORY SEMINAR

Subject: **Triangular-lattice antiferromagnets.**

Speaker: **Prof. Sasha Chernyshev (Department of Physics and Astronomy, University of California, Irvine)**

Date & time: **Friday, December 11<sup>th</sup>, 2020 at 5:15 p.m.**

Venue: **Online Seminar**

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I will describe our efforts to understand the phase diagram of a model that combines paradigmatic geometrical frustration of spins on a triangular lattice with strong spin-orbit-induced interactions. This model is relevant to a growing family of rare-earth-based magnets and other related materials and our work sets up a consistent interpretation of the current and future experiments in them.