

April 12, 2021

**Monday's Nonstandard Seminar 28**

**14:00**

Author: Jung-Tae Park (Korea Institute for Advanced Study)

Title: **Regularity estimates for nonlinear parabolic equations with measure data on nonsmooth domains**

Abstract: In this talk, we consider degenerate and singular  $p$ -Laplace type equations on bounded nonsmooth domains when the right-hand side is a signed Radon measure with finite total mass. We discuss global gradient estimates of a solution for such measure data problems. We provide a notion of solution and some conditions which guarantee the regularity results. This is joint work with Sun-Sig Byun and Pilsoo Shin [BPS] and Pilsoo Shin [PS].