Title: Studying the $z=10^{-25}$ Universe with the Dark Energy Survey

Abstract: The Dark Energy Survey is an ongoing cosmological survey using the 4-meter Blanco telescope in Chile. Nearing the completion of its 5th year of operation, DES has been imaging 1/4 of the Southern Hemisphere sky in five wavelength filters. While primarily intended to study the dark energy equation of state, the wide area and magnitude depth covered by DES also makes it a powerful solar system object survey. To date, we have discovered over 200 new trans-Neptunian objects (TNOs), including a distant dwarf planet candidate that is the second-most distant known object in the solar system and several "extreme" TNOs that lend important information to the so-called "Planet Nine" hypothesis. I will provide an overview of the TNO search operation within DES, in addition to discussing discoveries thus far and their potential impacts on our knowledge of the structure of the outer solar system.