1163-AD-798　　　　**Jeongsu Kyeong*** (`tuj64025@temple.edu`), 4040 Presidential Blvd, Philadelphia, PA 19131.
Singular Integral Operators for Elliptic Boundary Value Problems.

The plan is to discuss the employment of singular integral operators in the study of second order elliptic partial differential equations in Lipschitz domains. More specifically, the presentation will be centered around the relationship between the geometry of the domain and the availability of a Fredholm theory for the boundary to boundary singular integral operators associated with the given PDE. The talk will be accessible to graduate students who have completed a first year graduate course in measure theory. (Received September 13, 2020)