

# Subdivision of $K_5$ in line graphs

*Date* Tuesday, April 13

*Time* 3 pm

*Location* 303 Mudd

*Abstract:* Xiaoya Zha conjectured in 1992 that the line graph of a 3-connected non-planar graph contains a subdivision of  $K_5$ . In this talk, I will present a proof of Zha's conjecture.