

***A MATHEMATICAL PERSPECTIVE ON SCATTERING
RESONANCES THROUGH SUB-WAVELENGTH HOLES***

Speaker: Junshan Lin
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Time: Fri, May. 17, 11:00-12:00

Venue: Zoom: 618-038-6257 Passcode : SCMS

Abstract: The so-called extraordinary optical transmission (EOT) through metallic nanoholes has triggered extensive research in modern plasmonics and their applications in bio-sensing, imaging, etc. In this talk, I will present quantitative mathematical theory to understand scattering resonances that induce the EOT phenomenon in a series of metallic structures with sub-wavelength holes.