EESC6393 - Imaging Radar Systems Design and Analysis

EESC 6393 Imaging Radar Systems Design and Analysis (3 semester credit hours) Radar systems, antenna systems, the radar equation, electromagnetic waves scattering from targets, radar signal and noise, detection and extraction of signal from noise or clutter, range and Doppler profiles, radar image formation, real aperture radar imaging, synthetic aperture radar (SAR) imaging, inverse SAR (ISAR) imaging, image distortion, super resolution radar imaging techniques, and advanced holographic radar imaging techniques. Pass/Fail only. Prerequisites: EE 3350 and EE 4301 or equivalent. (3-0) T (2016-02-06 00:20:43)