

ECE 8272: Array Proc Wireless Comm

Sensor array processing; Fourier-based, maximum likelihood, and high resolution angle of arrival estimation methods, narrowband and broadband array signal processing, coherent interference nulling and multipath problems, robust and constrained adaptive beamforming; smart antenna systems for cellular communications; switched beam antennas, spatial diversity, and fully adaptive antennas for improved coverage and range; uplink processing; low and high rank propagation channel models; spatial and temporal information for improved frequency reuse; CMA array, subspace methods, and blind equalization.

Credits: 3.0