Beamforming: Sensor Signal Processing for Defence Applications presents a range of important research contributions concerned with sensor array signal processing and, in particular, with the superresolution beamformers fundamental to many civilian and defence applications. Both space and space-time (Stap) beamforming algorithms and their application to radar systems are considered with emphasis given to look-down airborne radars, synthetic aperture radar (Sar), arrayed Mimo radar and a number of common wake-wave detection algorithms for two-dimensional Sar imagery. Furthermore, ocean towed arrays, which find applications in a variety of areas such as defence, oil and gas exploration, and geological and marine life studies, are also considered paying particular attention to receiver positional uncertainties resulting from the arrays flexible structure. Array geometrical and electrical uncertainties, design of auto-calibration algorithms, beamforming pointing error uncertainties and robustification issues are also presented. This book is self-contained and unified in its presentation, and comprehensively covers some of the classic and fundamental models of beamforming for sensor signal processing. It is suitable as an advanced textbook for graduate students and researchers in the area of signal processing, as well as a reference book for engineers in the defence industry.

Beamforming - Sensor Signal Processing for Defence Applications Beamforming. Sensor Signal Processing for Defence Applications. Edited by: Space-Time Adaptive Beamforming Algorithms for Airborne Radar Systems. Beamforming: Sensor Signal Processing for - World Scientific Beamforming: Sensor Signal Processing for Defence Applications presents a range of important research contributions concerned with sensor array signal Beamforming Sensor Signal Processing For Defence Applications Beamforming: Sensor Signal Processing for Defence Applications presents a range of important research contributions concerned with sensor array signal processing and, in particular, with the superresolution beamformers fundamental to many civilian and defence applications. Beamforming: Sensor Signal Processing For Defence Applications Beamforming: Sensor Signal Processing for Defence Applications presents a range of important research contributions concerned with sensor array signal Array Uncertainties and Auto-calibration Beamforming: Sensor Beamforming. Sensor Signal Processing for Defence Applications. Edited by: (array shape), gain and phase uncertainties associated with an array of sensors. Beamforming : sensor signal processing for defence applications Retrouvez Beamforming: Sensor Signal Processing and Defence Applications et des millions de livres en stock sur . Achetez neuf ou doccasion. Space-Time Adaptive Beamforming Algorithms for Airborne Radar Beamforming: Sensor Signal Processing for Defence Applications presents a range of important research contributions concerned with sensor array signal Beamforming: Sensor Signal Processing For Defence Applications Buy Beamforming: Sensor Signal Processing For Defence Applications from Dymocks online BookStore. Find latest reader reviews and much Beamforming: Sensor Signal Processing And Defence Applications Sensor Signal Processing for Defence Applications Karen Mak and Athanassios Manikas (2015) Beamforming for Wake Wave Detection and Estimation — An