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Nota di contenuto	Front cover; Contents; Preface; Chapter 1: Image Super-Resolution: Historical Overviewand Future Challenges; Chapter 2: Super-Resolution Using Adaptive Wiener Filters; Chapter 3: Locally Adaptive Kernel Regression for Space-Time Super-Resolution; Chapter 4: Super-Resolution with Probabilistic Motion Estimation; Chapter 5: Spatially Adaptive Filtering asRegularization in Inverse Imaging;Compressive Sensing, Super-Resolution, and Upsampling; Chapter 6: Registration for Super-Resolution: Theory,Algorithms, and Applications in Image and Mobile Video Enhancement Chapter 7: Towards Super-Resolution in the Presence of Spatially Varying BlurChapter 8: Toward Robust Reconstruction-Based Super-Resolution; Chapter 9: Multiframe Super-Resolution from a Bayesian Perspective; Chapter 10: Variational Bayesian Super-Resolution Reconstruction; Chapter 11: Pattern Recognition Techniques for Image Super-Resolution; Chapter 12: Super-Resolution Reconstruction of Multichannel Images; Chapter 13: New Applications of Super-Resolution in Medical Imaging; Chapter 14: Practicing Super-Resolution: What Have We Learned?; Index; Back cover
Sommario/riassunto	With the exponential increase in computing power and broad proliferation of digital cameras, super-resolution imaging is poised to become the next ""killer app."" The growing interest in this technology

has manifested itself in an explosion of literature on the subject. Super-Resolution Imaging consolidates key recent research contributions from eminent scholars and practitioners in this area and serves as a starting point for exploration into the state of the art in the field. It describes the latest in both theoretical and practical aspects of direct relevance to academia
