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# **Image Denoising and Image Super-resolution for Sensing Application**

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Deadline for manuscript submissions:

closed (15 June 2023)

## **Message from the Guest Editors**

Due to the various factors during the image acquisition and transmission process, such as the poor imaging system, bandwidth limitation. insufficient storage and and computational power, the RAW sensor data and the processed images are often corrupted by noise and have low spatial resolution. Image denoising and image superresolution, as two classical and yet active low-level vision research topics, can be applied on the RAW sensor data and the processed images to improve the image quality and the accuracy of subsequent high-level vision tasks. This Special Issue will present recent advances of image denoisina and image super-resolution in sensina applications. Specifically, novel model-based methods, learning-based methods, or hybrid methods such as plugand-play methods and deep unfolding methods for image denoising and image super-resolution will be of special attention.













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