Abstract

In this chapter, we will review the research area of passive-blind image forensics, i.e., an form of image analysis for finding out the condition of an image without relying on pre-registration or pre-embedded information. We consider the two main functions of passive-blind image forensics as being image forgery detection and image source identification. In this vein, we provide a detailed review of the prior work in these two areas of image forensics. Apart from this, we also give a brief history of image forgery creation, a brief review of the state-of-the-art image forgery creation techniques, the resources available to the researchers and the challenges facing the passive-blind image forensics research.