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ISBN	1-119-90180-4 1-119-90178-2
Descrizione fisica	1 online resource (317 pages)
Collana	Sciences. Images. Compression, coding and protection of images and videos
Disciplina	006.7
Soggetti	Multimedia systems - Security measures
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	How to Reconstruct the History of a Digital Image, and of Its Alterations / Quentin Bammey, Miguel Colom, Thibaud Ehret, Marina Gardella, Rafael Grompone, Jean-Michel Morel, Tina Nikoukhah, Denis Perraud -- Deep Neural Network Attacks and Defense: The Case of Image Classification / Hanwei Zhang, Teddy Furon, Laurent Amsaleg, Yannis Avrithis -- Codes and Watermarks / Pascal Lefvre, Philippe Carr, Philippe Gaborit -- Invisibility / Pascal Lefvre, Philippe Carr, David Alleysson -- Steganography: Embedding Data Into Multimedia Content / Patrick Bas, Rmi Cogranne, Marc Chaumont -- Traitor Tracing / Teddy Furon -- 3D Watermarking / Sbastien Beugnon, Vincent Itier, William Puech -- Steganalysis: Detection of Hidden Data in Multimedia Content / Rmi Cogranne, Marc Chaumont, Patrick Bas.
Sommario/riassunto	Today, more than 80% of the data transmitted over networks and archived on our computers, tablets, cell phones or clouds is multimedia data - images, videos, audio, 3D data. The applications of this data range from video games to healthcare, and include computer-aided design, video surveillance and biometrics. It is becoming increasingly urgent to secure this data, not only during transmission and archiving, but also during its retrieval and use. Indeed, in today's "all-digital" world, it is becoming ever-easier to copy data, view it unrightfully, steal it or falsify it. Multimedia Security 1 analyzes the issues of the

authentication of multimedia data, code and the embedding of hidden data, both from the point of view of defense and attack. Regarding the embedding of hidden data, it also covers invisibility, color, tracing and 3D data, as well as the detection of hidden messages in an image by steganalysis.

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