

1. Record Nr.	UNINA9910774846603321
Autore	Uricchio Tiberio
Titolo	Image Understanding by Socializing the Semantic Gap // Tiberio Uricchio
Pubbl/distr/stampa	Firenze, Italy : , : Firenze University Press, , 2017
Descrizione fisica	1 online resource (146 pages) : illustrations
Collana	Premio tesi di dottorato
Disciplina	004
Soggetti	Technical editing Computer engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>Several technological developments like the Internet, mobile devices and Social Networks have spurred the sharing of images in unprecedented volumes, making tagging and commenting a common habit. Despite the recent progress in image analysis, the problem of Semantic Gap still hinders machines in fully understand the rich semantic of a shared photo. In this book, we tackle this problem by exploiting social network contributions. A comprehensive treatise of three linked problems on image annotation is presented, with a novel experimental protocol used to test eleven state-of-the-art methods. Three novel approaches to annotate, under stand the sentiment and predict the popularity of an image are presented. We conclude with the many challenges and opportunities ahead for the multimedia community.</p>