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Nota di contenuto	About the Author; Brief Contents; Contents in Detail; Foreword; Acknowledgments; Introduction; Who This Book Is For; Prerequisites; Android Versions; How Is This Book Organized?; Conventions; Chapter 1: Android's Security Model; Android's Architecture; Linux Kernel; Native User Space; Dalvik VM; Java Runtime Libraries; System Services; Inter-Process Communication; Binder; Android Framework Libraries; Applications; Android's Security Model; Application Sandboxing; Permissions; IPC; Code Signing and Platform Keys; Multi-User Support; SELinux; System Updates; Verified Boot; Summary Chapter 2: Permissions The Nature of Permissions; Requesting Permissions; Permission Management; Permission Protection Levels; Permission Assignment; Permission Enforcement; Kernel-Level Enforcement; Native Daemon-Level Enforcement; Framework-Level Enforcement; System Permissions; Signature Permissions; Development Permissions; Shared User ID; Custom Permissions; Public and Private Components; Activity and Service Permissions; Broadcast Permissions; Content Provider Permissions; Static Provider Permissions; Dynamic Provider Permissions; Pending Intents; Summary; Chapter 3: Package Management

Android Application Package Format Code Signing; Java Code Signing; Android Code Signing; APK Install Process; Location of Application Packages and Data; Active Components; Installing a Local Package; Updating a Package; Installing Encrypted APKs; Forward Locking; Android 4.1 Forward Locking Implementation; Encrypted Apps and Google Play; Package Verification; Android Support for Package Verification; Google Play Implementation; Summary; Chapter 4: User Management; Multi-User Support Overview; Types of Users; The Primary User (Owner); Secondary Users; Restricted Profiles; Guest User User Management Command-Line Tools; User States and Related Broadcasts; User Metadata; The User List File; User Metadata Files; User System Directory; Per-User Application Management; Application Data Directories; Application Sharing; External Storage; External Storage Implementations; Multi-User External Storage; External Storage Permissions; Other Multi-User Features; Summary; Chapter 5: Cryptographic Providers; JCA Provider Architecture; Cryptographic Service Providers; JCA Engine Classes; Obtaining an Engine Class Instance; Algorithm Names; Secure Random; Message Digest; Signature; Cipher
MacKey; SecretKey and PBEKey; PublicKey, PrivateKey, and KeyPair; KeySpec; KeyFactory; SecretKeyFactory; Key Pair Generator; KeyGenerator; KeyAgreement; KeyStore; CertificateFactory and CertPath; CertPathValidator and CertPathBuilder; Android JCA Providers; Harmony's Crypto Provider; Android's Bouncy Castle Provider; AndroidOpenSSL Provider; OpenSSL; Using a Custom Provider; Spongy Castle; Summary; Chapter 6: Network Security and PKI ; PKI and SSL Overview; Public Key Certificates; Direct Trust and Private CAs; Public Key Infrastructure; Certificate Revocation; JSSE Introduction; Secure Sockets
Peer Authentication

Sommario/riassunto

There are more than one billion Android devices in use today, each one a potential target. Unfortunately, many fundamental Android security features have been little more than a black box to all but the most elite security professionals-until now.In Android Security Internals, top Android security expert Nikolay Elenkov takes us under the hood of the Android security system. Elenkov describes Android security architecture from the bottom up, delving into the implementation of major security-related components and subsystems, like Binder IPC, permissions, cryptographic providers, and device

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Nota di contenuto	Biomedical English -- Editorial page -- Title page -- LCC data -- In memory of -- Table of contents -- Introduction -- References -- Collocations, lexical bundles and SciE-Lex -- 1. Introduction -- 2. Sinclair's notion of collocation -- 3. Different approaches to collocation -- 4. Corpus-based vs. corpus-driven approaches to phraseology -- 5. Phraseological status of lexical bundles -- 6. Conclusion -- Acknowledgements -- References -- SciE-Lex -- 1. Introduction -- 2. Purpose -- 3. Corpus description -- 4. SciE-Lex: First stage -- 5. SciE-Lex: Second stage -- 6. Conclusion -- Acknowledgements -- References -- Formal and functional variation of lexical bundles in biomedical English -- 1. Introduction -- 2. Morphosyntactic and lexical variation -- 3. Functional variation -- 3.1 Functional classification of lexical bundles -- 3.2. Multifunctionality of lexical bundles -- 4. Conclusions -- Acknowledgements -- References -- A corpus-based analysis of the collocational patterning of adjectives with abstract nouns in medical English -- 1. Introduction -- 2. The concepts of lexis, grammar and collocation in discourse -- 3. Corpus and method -- 3.1 Corpus-based methodological approach -- 3.2 Method -- 4. Results --

4.1 The pattern adjective + conclusion -- 4.2 The pattern adjective + agreement -- 4.3 The pattern adjective + comparison -- 4.4 The pattern adjective + decision -- 4.5 Summary of results -- 5. Conclusion and implications -- 5.1 Main conclusions -- 5.2 Implications -- Acknowledgements -- References -- As described below -- 1. Introduction -- 2. Corpora and methodology -- 3. Research questions -- 4. Results and discussion -- 4.1 Case study: The verb describe in health science register -- 4.1.1 Overall frequency: Word class and morphological variants -- 4.1.2 Main patterns of the verb describe.
4.1.2.1 Group pattern 1: V n (active pattern)/be V-ed (passive pattern). The simple pattern V n (1, 2) corresponds to the transitive use of the active form of the verb describe, which is followed by a noun group functioning as the object of the sentence (-- 4.1.2.2 Group pattern 2: N [Adv] V-ed [Adv]/[PP] or N [Adv] V-ing [Adv]/[PP] (V-ed-as-a-post-modifier pattern) and (Adv) V-ed N (V-ed-as-a-pre-modifier -pattern). When comparing group pattern 1 with group pattern 2, a clear difference depending on the fin -- 4.1.2.3 Group pattern 3: N V-ed as N (Simple categorisation pattern)/N (be) V-ed as N (Complex categorisation pattern). This group pattern is composed of at least four different elements: a noun group N that precedes the pattern, followed by the past part -- 4.1.2.4 Group pattern 4: as [Adv] V-ed [Adv] (temporal guiding pattern)/as V-ed [Adv]/[PP] (spatial guiding pattern). The particle as, followed by the past participle form of the V-ed, introduces a verbless clause, which can be transformed into a finite c -- 4.2 Interconnection between patterns, meaning, and lexis -- 5. Verbal form describe vs. Nominal form description -- 5.1 V description -- 5.1.1 Verbs of 'giving' + description -- 5.1.2 Verbs of 'receiving' + description -- 5.1.3 Other type of semantically equivalent transformations -- 5.2 Description + preposition -- 6. Concluding remarks -- Acknowledgements -- References -- Websites -- References for examples taken from the Health Science Corpus -- Negation in biomedical English -- 1. Introduction -- 2. Results and discussion -- 2.1 The phraseology of the adjectives likely and unlikely -- 2.2 The phraseology of the adjectives clear and unclear -- 2.3 The phraseology of the adjectives able and unable -- 3. Conclusion -- Acknowledgements -- References -- References for examples.
A cross-disciplinary analysis of personal and impersonal features in English and Spanish scientific writing -- 1. Introduction -- 2. Previous studies on personal and impersonal features in academic writing -- 3. Research questions -- 4. Corpora and methodology -- 5. Results and discussion -- 5.1 Overall frequency results -- 5.2 Usage patterns of personal and impersonal features in Medicine -- 5.2.1 Personal forms in Medicine -- 5.2.2 Impersonal forms in Medicine -- 5.3 Usage patterns of personal and impersonal features in Mathematics -- 5.3.1 Personal forms in Mathematics -- 5.3.2 Impersonal forms in Mathematics -- 5.4 The rhetorical functions of personal and impersonal forms -- 6. Conclusions and recommendations -- Acknowledgements -- References -- References for examples taken from the corpora -- Gender assignment in present-day scientific English -- 1. Introduction -- 2. The grammatical category of gender in English -- 2.1 Gender and nouns of animals in English -- 3. The Health Science Corpus-Zoology -- 3.1 Units of Anaphoric Reference (UARs) -- 3.2 Nouns in the corpus -- 4. Data analysis -- 5. Conclusions -- Acknowledgements -- References -- References for the UARs in HSC-Z -- The metaphorical basis of discourse structure -- 1. Introduction -- 2. Metaphor in language and discourse -- 3. Metaphor and discourse structure -- 4. An insight into source-path-goal and force-dynamic

image schemas -- The source-path-goal schema -- a. Bodily experience -- b. Structural elements -- c. Basic logic -- The force dynamics image schema -- a. Bodily experience -- b. Structural elements -- c. Basic logic -- a. Source/introduction unit -- b. Obstacle/gap in the knowledge on the field under study -- c. Stating an intended goal/outlining the means -- d. Displaying results/forces that push toward a conclusion -- e. Reaching a goal/reaching a conclusion. 5. discourse is a form of motion along a path influenced by force dynamics: Ontological and epistemic correspondences -- 6. Scientific abstracts, paths and forces -- 7. Conclusion -- Acknowledgements -- References -- References for examples taken from corpus -- Frames, constructions, and metaphors in Spanish FrameNet -- 1. Frame semantics and FrameNet(s) -- 2. Semantic annotation -- 3. Automatic semantic-role labelling -- 4. Building the Spanish Constructicon -- 5. Frames and metaphor -- 6. Next Steps for Spanish FrameNet -- Acknowledgments -- References -- Subject index.

Sommario/riassunto

In this article, I outline the fundamental aspects of how frame semantics is applied to lexical analysis in the Spanish FrameNet project (SFN). To this end, I describe the process of semantic annotation in SFN and the software tools we use, and how we have used our annotated sentences as a training corpus to implement automatic semantic-role labelling for Spanish. I then describe our initial forays into the study of Spanish grammatical constructions, in which we are integrating frame semantics into syntactic analysis. Finally, I discuss SFN's procedure for annotating metaphors and show how frame semantics can be used to analyse their emergent meanings.