

1. Record Nr.	UNINA9910789374803321
Autore	Wong Marcus
Titolo	Femtocells : secure communication and networking // Marcus Wong
Pubbl/distr/stampa	Aalborg, Denmark : , : River Publishers, , [2013] ©2013
ISBN	1-00-333817-8 1-000-79328-1 1-003-33817-8 87-92982-99-9 9788792982858
Descrizione fisica	1 online resource (228 p.)
Collana	River Publishers Series in Communications
Disciplina	621.3821
Soggetti	Femtocells
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	<p>""Cover""; ""Contents""; ""Preface""; ""I: Getting Started""; ""1 Introduction""; ""1.1 1G and Analog Systems""; ""1.2 2G Systems""; ""1.3 3G""; ""1.4 4G""; ""1.5 Femtocells""; ""2 3GPP Architecture and the Femtocell""; ""2.1 UMTS Architecture""; ""2.2 LTE""; ""2.3 Femtocells and Femtocell Architecture""; ""II: Securing the Femtocells""; ""3 Security of Femtocells""; ""3.1 UMTS and LTE Security""; ""3.2 Femtocell Security""; ""3.3 Case Study on Attacks of the Femtocells""; ""4 CDMA Femtocells""; ""4.1 Variations in CDMA Femto Architecture""; ""4.2 CDMA Femtocell Security""; ""4.3 Security Mechanisms and Procedures""; ""4.4 Differences between CDMA and UMTS/LTE Femtocells""; ""5 WiMAX Femtocells""; ""5.1 WiMAX Architecture and the Femto""; ""5.2 WiMAX Femto Functional Components""; ""5.3 WiMAX Femto Security Features and Mechanisms""; ""5.4 Differences between WiMAX and 3GPP/CDMA Femtocells""; ""6 LIPA and SIPTO""; ""6.1 Security Considerations in LIPA and SIPTO""; ""6.2 In Short""; ""7 Security Profiles and IKEv2 Call Flow""; ""7.1 Security Profiles""; ""7.2 IKEv2 Example Call Flow Used in 3GPP""; ""III: From Femtocells to Small Cells""; ""8 From Femtocells to Small Cells""; ""8.1 Small Cells""; ""8.2 Small Cells</p>

and Wi-Fi"; "IV: Outlook and Concluding Remarks"; "9 Conclusion and Outlook"; "Annex"; "A.1 Sample of TR-069 FMS Security Related Parameters"; "A.2 WiMAX SON"; "A.3 CDMA2000 Authentication"; "A.3.1 Global Challenge"; "A.3.2 Unique Challenge"; "Glossary"; "Bibliography"; "About the Author"

Sommario/riassunto

A considerable amount of effort has been devoted, both in industry forums and standards developing organizations, towards creating technical specifications for the architecture, operational, and security of the Femtocells.
