

1. Record Nr.	UNINA9910139019903321
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Titolo	Voice over LTE : EPS and IMS networks / / Andre Perez
Pubbl/distr/stampa	Hoboken, NJ : , : ISTE Ltd/John Wiley and Sons Inc, , 2013
ISBN	1-118-64884-6 1-118-64882-X 1-118-64883-8
Descrizione fisica	1 online resource (254 p.)
Collana	Networks and telecommunications series
Disciplina	621.38456
Soggetti	Long-Term Evolution (Telecommunications) Internet Protocol multimedia subsystem
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 and index.
Nota di contenuto	""Cover ""; ""Titel Page ""; ""Contents ""; ""Preface ""; ""Acronyms ""; ""Chapter 1. The EPS Network ""; ""1.1. Architecture ""; ""; ""1.1.1. Access network ""; ""1.1.2. Core network ""; ""; ""1.1.3. Protocol architecture ""; ""1.2. Signaling protocols ""; ""; ""1.2.1. NAS protocol ""; ""1.2.2. RRC protocol ""; ""1.2.3. S1-AP protocol ""; ""1.2.4. X2-AP protocol ""; ""1.2.5. GTPv2-C protocol ""; ""; ""1.3. Procedures ""; ""1.3.1. Attachment procedure ""; ""; ""1.3.2. Location update ""; ""1.3.3. Bearer activation ""; ""1.3.4. Handover procedure ""; ""; ""Chapter 2. The LTE Interface ""; ""2.1. Structure of the radioelectric interface ""; ""2.2. Data link layer ""; ""2.2.1. PDCP protocol ""; ""; ""2.2.2. RLC protocol ""; ""2.2.3. MAC protocol ""; ""; ""2.3. Physical layer ""; ""2.3.1. Frequency range ""; ""; ""2.3.2. Spatial multiplexing ""; ""2.3.3. Time multiplexing ""; ""; ""2.3.4. Physical signals and channels ""; ""2.4. Procedures ""; ""

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2.4.5. Re-transmission in the case of error	
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Sommario/riassunto

Voice over LTE (Long Term Evolution) presents the mechanisms put in place in 4G mobile networks for the transportation of IP packets containing voice data and telephone signaling, as well as the technologies used to provide a telephone service in the IMS (IP Multimedia Sub-system) network. Despite the difficulty connected to the handover of the 4G network to the 2G/3G network, a telephone communication will not be established on the 4G network. This book analyzes the technologies that have been put in place, such as CSFB (Circuit Service FallBack), an interim solution that enables a mobile co

2. Record Nr.	UNINA9910591040303321
Titolo	Dirichlet Forms and Related Topics : In Honor of Masatoshi Fukushima's Beiju, IWDFRT 2022, Osaka, Japan, August 22–26 / / edited by Zhen-Qing Chen, Masayoshi Takeda, Toshihiro Uemura
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022
ISBN	981-19-4672-8
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (572 pages)
Collana	Springer Proceedings in Mathematics & Statistics, , 2194-1017 ; ; 394
Disciplina	519.2
Soggetti	Probabilities Markov processes Stochastic analysis Potential theory (Mathematics) Probability Theory Markov Process Stochastic Analysis Potential Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- Preface -- List of Masatoshi Fukushima's Publications -- Contents -- Markov Uniqueness and Fokker-Planck-Kolmogorov Equations -- 1 Introduction and Framework -- 2 The Main Idea and a Parabolic Condition for Uniqueness -- 3 Some Uniqueness Results for FPKEs -- 3.1 Fokker-Planck-Kolmogorov Equations -- 3.2 Nondegenerate VMO Diffusion Coefficients -- 3.3 Nondegenerate Locally Lipschitz Diffusion Coefficients -- 3.4 Nondegenerate Diffusion Coefficients and the Lyapunov Function Condition -- 3.5 Degenerate Diffusion Coefficients -- 4 Applications to the Markov Uniqueness Problem -- 4.1 The Framework -- 4.2 Nondegenerate VMO Diffusion Coefficients -- 4.3 Nondegenerate Locally Lipschitz Diffusion Coefficients -- 4.4 Nondegenerate Diffusion Coefficients and Lyapunov Function Conditions -- 4.5 Degenerate Diffusion Coefficients -- References -- A Chip-Firing and a Riemann-Roch Theorem on an Ultrametric Space -- 1 Introduction -- 2 Laplacian and Riemann-Roch

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Sommario/riassunto

This conference proceeding contains 27 peer-reviewed invited papers from leading experts as well as young researchers all over the world in the related fields that Professor Fukushima has made important contributions to. These 27 papers cover a wide range of topics in probability theory, ranging from Dirichlet form theory, Markov processes, heat kernel estimates, entropy on Wiener spaces, analysis on fractal spaces, random spanning tree and Poissonian loop ensemble, random Riemannian geometry, SLE, space-time partial differential equations of higher order, infinite particle systems, Dyson model, functional inequalities, branching process, to machine learning and Hermitizable problems for complex matrices. Researchers and graduate students interested in these areas will find this book appealing. Professor Masatoshi Fukushima is well known for his fundamental contributions to the theory of Dirichlet forms and symmetric Markov processes.