

1. Record Nr.	UNISALENTO991000512199707536
Autore	Anastassiou, George A.
Titolo	Probabilistic inequalities / George A. Anastassiou
Pubbl/distr/stampa	Singapore ; Hackensack, NJ ; London : World Scientific, c2010
ISBN	9789814280785 981428078X
Descrizione fisica	xii, 416 p. ; 26 cm
Collana	Series on concrete and applicable mathematics ; 7
Classificazione	AMS 60E15 LC QA274.A64
Disciplina	519.2
Soggetti	Probabilities Inequalities (Mathematics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index
Nota di contenuto	1. Introduction ; 2. Basic stochastic Ostrowski inequalities ; 3. Multidimensional Montgomery identities and Ostrowski type inequalities ; 4. General probabilistic inequalities ; 5. About Grothendieck inequalities ; 6. Basic optimal estimation of Csiszar's f-divergence ; 7. Approximation via representations of Csiszar's f-divergence ; 8. Sharp high degree estimation of Csiszar's f-divergence ; 9. Csiszar's f-divergence as a measure of dependence ; 10. Optimal estimation of discrete Csiszar f-divergence ; 11. About a general discrete measure of dependence ; 12. Hòlder-Like Csiszar's f-divergence inequalities ; 13. Csiszar's discrimination and Ostrowski inequalities via Euler-type and Fink identities ; 14. Taylor-Widder representations and Grèuss, Means, Ostrowski and Csiszar's inequalities ; 15. Representations of functions and Csiszar's f-divergence ; 16. About general moment theory ; 17. Extreme bounds on the average of a rounded off observation under a moment condition ; 18. Moment theory of random rounding rules subject to one moment condition ; 19. Moment theory on random rounding rules using two moment conditions ; 20. Prokhorov radius around zero using three moment constraints ; 21. Precise rates of Prokhorov convergence using three moment conditions ; 22. On Prokhorov convergence or probability measures to the unit under three moments ; 23. Geometric

moment methods applied to optimal portfolio ; 24. Discrepancies between general integral means ; 25. Grèuss type inequalities using the Stieltjes integral ; 26. Chebyshev-Grèuss type and difference of integral means inequalities using the Stieltjes integral ; 27. An expansion formula ; 28. Integration by parts on the multidimensional domain ; Bibliography ; List of symbols

Sommario/riassunto

"In this monograph, the author presents univariate and multivariate probabilistic inequalities with coverage on basic probabilistic entities like expectation, variance, moment generating function and covariance. These are built on the recent classical form of real analysis inequalities which are also discussed in full details. This treatise is the culmination and crystallization of the author's last two decades of research work in related discipline. Each of the chapters is self-contained and a few advanced courses can be taught out of this book. Extensive background and motivations for specific topics are given in each chapter. A very extensive list of references is also provided at the end. The topics covered in this unique book are wide-ranging and diverse. The opening chapters examine the probabilistic Ostrowski type inequalities, and various related ones, as well as the largely discusses about the Grothendieck type probabilistic inequalities. The book is also about inequalities in information theory and the Csiszar's f-Divergence between probability measures. A great section of the book is also devoted to the applications in various directions of Geometry Moment Theory. Also, the development of the Grèuss type and Chebyshev-Grèuss type inequalities for Stieltjes integrals and the applications in probability are explored in detail. The final chapters discuss the important real analysis methods with potential applications to stochastics. The book will be of interest to researchers and graduate students, and it is also seen as an invaluable reference book to be acquired by all science libraries as well as seminars that conduct discussions on related topics.": P.[4] of cover

2. Record Nr.	UNINA9910959387303321
Autore	Ginsberg Michael (Energy consultant)
Titolo	Harness it : renewable energy technologies and project development models transforming the grid // Michael Ginsberg
Pubbl/distr/stampa	New York, NY : , : Business Expert Press, , 2019
ISBN	9781631579325 1631579320
Edizione	[1st ed.]
Descrizione fisica	1 online resource (196 pages)
Collana	Industry profiles collection
Disciplina	621.042
Soggetti	Renewable energy sources - Technological innovations Electric power systems - Environmental aspects Energy development - Planning
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover -- Contents -- Endorsements -- Forewords -- Acknowledgments -- Preface -- Introduction -- Outline -- Chapter 1: Historical and Conventional Power Production -- Chapter 2: Renewable Energy Technologies -- Chapter 3: Model 1: Grid-Scale Renewable Energy -- Chapter 4: Model 2: Distributed Renewable Energy Resources -- Chapter 5: Model 3: Community-Scale Generation and Microgrids -- Chapter 6: The Emerging Renewable Energy Future -- About the Author -- Index -- Adpage -- Backcover.
Sommario/riassunto	Considering the increasing importance of renewable energy for climate change mitigation, this book provides an overview of how renewable energy sources are integrated into the grid to promote better understanding among students and business professionals in the utility sector and across industries. Following an overview of the technical and historical development of the electric grid in the U.S. and Europe, this guide reviews hydropower, solar photovoltaics, wind energy, fuel cell, and battery technologies. The author also presents models for the connection of these renewable energy sources from large-scale to on-site and community power/microgrids. The models are explained through case studies in the developed and developing worlds that explore how technical evaluations are conducted, policy incentives

implemented, and project finance applied. Considering the increasing importance of renewable energy for climate change mitigation, this book provides an overview of how renewable energy sources are integrated into the grid to promote better understanding among students and business professionals in the utility sector and across industries. Most literature on grid interconnection is highly technical, assuming an in-depth understanding of electrical engineering. With the rise of clean technologies and the diversity of interconnection models, this guide fills a gap in the existing literature by equipping non-technical business managers with the salient information they need to make critical decisions for their organizations.
