1. Record Nr. UNISALENTO991003243329707536

Autore	Aboelela, Emad
Titolo	Network simulation experiments manual [electronic resource] / prepared by Emad Aboelela
Pubbl/distr/stampa	San Francisco, Calif. : Morgan Kaufmann, c2003
ISBN	9780120421718 0120421712
Descrizione fisica	viii, 176 p. : ill. ; 24 cm.
Altri autori (Persone)	Peterson, Larry L. Davie, Bruce S.
Disciplina	004.6
Soggetti	Computer networks - Handbooks, manuals, etc Electronic books.
Lingua di pubblicazione	Inglese
Formato	Risorsa elettronica
Livello bibliografico	Monografia
Note generali	Experiments associated with: Computer networks : a systems approach / by Larry L. Peterson and Bruce S. Davie. 3rd ed. c2003. At head of title on cover: Larry L. Peterson and Bruce S. Davie, Computer networks : a systems approach, Edition 3.
Sommario/riassunto	The lab exercises contained in the network simulation experiments manual are based on the OPNET simulator (v. 9), a network simulation tool that was originally developed at M.I.T. It provides networking professionals with the option of implementing experiments from their homes or workplaces and the lab manual comes with directions for downloading the free easy-to-install software (special version to this book only--see system requirements below). These labs run through simulations closely tied to the material in the text so that you can visualize the discussions covering core network topologies. Various scenarios are presented within each topology, and review questions and a lab report exercise accompany each lab experiment. The experiments also follows the organization of Computer Networks, Third Edition, by Larry Peterson and Bruce Davie. System requirements for using the OPNET IT Guru Academic Edition release 9.1: -Intel Pentium III, 4 or compatible (500 MHz or better) -256 MB RAM -400 MB disk space -Display: 1024 x 768 or higher resolution, 256 or more colors -

	The English language version of the following operating systems are supported: Microsoft Windows NT (Service Pack 3, 5, or 6a) Windows 2000 (Service Pack 1 and 2 are supported but not required) Windows XP (Service Pack 1 is required) *Written by an instructor who has used OPNET simulation tools in his classroom for numerous demonstrations and real-world scenarios. *Software download based on an award-winning product made by OPNET Technologies, Inc., whose software is used by thousands of commercial and government organizations worldwide, and by over 500 universities. *Useful experimentation for professionals in the workplace who are interested in learning & demonstrating the capability of evaluating different commercial networking products, i.e., Cisco routers. *Covers the core networking topologies and includes assignments on the ethernet, token rings, ATM, Switched LANs, Network Design, RIP, TCP, Queuing Disciplines, QoS, etc. *Instructors can download the solutions manual to the exercises in the Network Simulation Experiments Manual by clicking on the "Instructors" resource link in the upper right corner of the screen and searching for author "Aboelela.".

2.

Record Nr.	UNINA9910337644303321
Autore	Faruque Saleh
Titolo	Radio Frequency Multiple Access Techniques Made Easy / / by Saleh Faruque
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-319-91651-3
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (84 pages)
Collana	SpringerBriefs in Electrical and Computer Engineering, , 2191-8112
Disciplina	621.382
Soggetti	Electrical engineering Computer networks Electronics Microelectronics Communications Engineering, Networks Computer Communication Networks Electronics and Microelectronics, Instrumentation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa

Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Simplex, Duplex, FDD & TDD -- Frequency Division Multiple Access (FDMA) -- Time Division Multiple Access (TDMA) -- Code Division Multiple Access (CDMA) -- Code Division Parallel Access (CDPA) -- Orthogonal Frequency Division Multiple Access (OFDMA) -- .
Sommario/riassunto	This book provides a comprehensive overview of multiple access techniques used in the cellular industry. The usage of multiple access techniques in telecommunications enables many users to share the same spectrum in the frequency domain, time domain, code domain or phase domain. Licenses are given, by the FCC, to operate wireless communication systems over given bands of frequencies, with the smaller bands, (channels), reused to provide services to other users. Thus, bandwidth efficiency is vital, as the speed and size of digital data networks continue to expand. This brief also uses numerous illustrations to bring students up-to-date in the practical applications of multiple access techniques, which can then be put to work in the industry. Primarily, electrical engineering students who study telecommunications, as well as engineers and designers working in wireless communications, would find this book useful.