

1. Record Nr.	UNISA996280162903316
Titolo	IEEE standard for Ethernet . Amendment 4 Physical layer specifications and management parameters for 1 Gb/s operation over a single twisted-pair copper cable
Pubbl/distr/stampa	New York : , : IEEE, , 2016
ISBN	1-5044-2288-0
Descrizione fisica	1 online resource (211 pages)
Disciplina	004.68
Soggetti	Ethernet (Local area network system) - Standards
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>This amendment to IEEE Std 802.3-2015 adds point-to-point 1 Gb/s Physical Layer (PHY) specifications and management parameters for operation on a single twisted-pair copper cable in an automotive application. Scope: The scope of this project is to specify additions to and appropriate modifications of IEEE Std 802.3 to add a point-to-point 1 Gb/s Physical Layer (PHY) specifications and management parameters for operation over a single twisted pair copper cable.</p>

2. Record Nr.	UNINA9910299718503321
Titolo	Computational methods to study the structure and dynamics of biomolecules and biomolecular processes : from bioinformatics to molecular quantum mechanics / / Adam Liwo, editor
Pubbl/distr/stampa	Berlin ; ; Heidleberg, : Springer-Verlag, 2014
ISBN	3-642-28554-6
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (809 p.)
Collana	Springer series in bio-/neuroinformatics ; ; 1
Altri autori (Persone)	Liwo Adam
Disciplina	572
Soggetti	Biomolecules - Structure - Computer simulation Molecular dynamics - Computer simulation
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	Molecular simulations: methodology -- Molecular simulations: applications -- Use of structural database or experimental information in modeling protein structure and dynamics -- Applications of molecular quantum mechanics.
Sommario/riassunto	Since the second half of the 20th century machine computations have played a critical role in science and engineering. Computer-based techniques have become especially important in molecular biology, since they often represent the only viable way to gain insights into the behavior of a biological system as a whole. The complexity of biological systems, which usually needs to be analyzed on different time- and size-scales and with different levels of accuracy, requires the application of different approaches, ranging from comparative analysis of sequences and structural databases, to the analysis of networks of interdependence between cell components and processes, through coarse-grained modeling to atomically detailed simulations, and finally to molecular quantum mechanics. This book provides a comprehensive overview of modern computer-based techniques for computing the structure, properties and dynamics of biomolecules and biomolecular processes. The twenty-two chapters, written by scientists from all over the world, address the theory and practice of computer simulation techniques in the study of biological phenomena. The chapters are grouped into four thematic sections dealing with the following topics:

the methodology of molecular simulations; applications of molecular simulations; bioinformatics methods and use of experimental information in molecular simulations; and selected applications of molecular quantum mechanics. The book includes an introductory chapter written by Harold A. Scheraga, one of the true pioneers in simulation studies of biomacromolecules.

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