1. Record Nr. UNISALENTO991001595519707536

Autore	De Angelis, Marcello
Titolo	La felicità in Etruria : melodramma, impresari, musica, virtuosi : lo spettacolo nella Firenze Lorena / Marcello De Angelis ; con 360 illustrazioni in bianco e nero e 60 tavole a colori
Pubbl/distr/stampa	Firenze : Ponte alle Grazie, 1990
Descrizione fisica	300 p. : ill. ; 24 cm
Disciplina	792.09455
Soggetti	Spettacoli musicali - Firenze - Sec. 19 Toscana <Granducato> - Vita artistica e culturale - Sec. 19
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9911019800203321

Autore	Yanover Vladimir
Titolo	Open RAN : Technology and Ecosystem
Pubbl/distr/stampa	Newark : , : John Wiley & Sons, Incorporated, , 2025 ©2025
ISBN	9781394241170 1394241178 9781394241163 139424116X 9781394241156 1394241151
Edizione	[1st ed.]
Descrizione fisica	1 online resource (185 pages)
Disciplina	621.382/1
Soggetti	Open Radio Access Network
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Electronic book.

Nota di contenuto

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Sommario/riassunto

Complete guide to identifying and describing basic Open RAN technology concepts and understanding the structure and dynamics of

the ecosystem Open RAN describes key aspects and provides insight into the structure and dynamics of the Open RAN ecosystem, linking the key technology aspects to the market drivers and showing the role of technology in the ecosystem's progress. This book explores Open RAN cloudification techniques and deployment scenarios down to details of the RAN split options and use of hardware accelerators. Open RAN programmability for non-real-time operations (SMO, Non-RT RIC, A1) and real-time operations (Near-RT RIC, E2) are discussed alongside essentials of RAN control, network data collection, notifications of events, policy control, and network and service management. Examples of implementation by leading vendors and open-source communities are provided throughout to show the potential of the Open RAN ecosystem and technology. Written by an industry insider and a key contributor to the development of the technology, this book includes: Activities and structure of the O-RAN Alliance, including work groups, committees, and the O-RAN Software Community (OSC) Evolution of the Open RAN ecosystem, covering O-RAN specifications releases and compliant products, ongoing and planned developments, as well as ongoing and planned trials and commercial deployments SMO and Non-RT RIC functional procedures, A1 policy-based interface, rApps Near-RT RIC functional procedures, covering subscription, notifications, control, policy, and query procedures; E2 services, covering REPORT, INSERT, CONTROL, and POLICY services; Near-RT RIC as an xApps hosting platform Traffic steering, QoS optimization, NSSI resource optimization, and massive MIMO optimization, covering outer and inner control loops, network data collection, and optimization actions With a combined overview of key technology aspects and practical examples, Open RAN is a practical and highly useful reference for researchers, engineers, and marketing experts employed by mobile carriers, equipment vendors, government bodies, and universities, as well as professionals in associated communications fields and PhD electrical engineering students.

3. Record Nr. UNINA9910975047703321

Autore	Eagleton Terry
Titolo	Humour / / Terry Eagleton
Pubbl/distr/stampa	New Haven, CT : , : Yale University Press, , [2019] ©2019
ISBN	978-0-300-24478-6 0-300-24478-9
Descrizione fisica	1 online resource (191 pages)
Classificazione	LC 59000
Disciplina	809.7
Soggetti	Wit and humor - History and criticism Wit and humor - Political aspects Wit and humor - Social aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Frontmatter -- Contents -- Preface -- 1. On Laughter -- 2. Scoffers and Mockers -- 3. Incongruities -- 4. Humour and History -- 5. The Politics of Humour -- Endnotes -- Index
Sommario/riassunto	A compelling guide to the fundamental place of humour and comedy within Western culture-by one of its greatest exponents Written by an acknowledged master of comedy, this study reflects on the nature of humour and the functions it serves. Why do we laugh? What are we to make of the sheer variety of laughter, from braying and cackling to sniggering and chortling? Is humour subversive, or can it defuse dissent? Can we define wit? Packed with illuminating ideas and a good many excellent jokes, the book critically examines various well-known theories of humour, including the idea that it springs from incongruity and the view that it reflects a mildly sadistic form of superiority to others. Drawing on a wide range of literary and philosophical sources, Terry Eagleton moves from Aristotle and Aquinas to Hobbes, Freud, and Bakhtin, looking in particular at the psychoanalytical mechanisms underlying humour and its social and political evolution over the centuries.