

1. Record Nr.	UNINA9910676793803321
Titolo	Guide to yeast genetics : functional genomics, proteomics, and other systems analysis / edited by Jonathan Weissman, Christine Guthrie, Gerald R. Fink
Pubbl/distr/stampa	Amsterdam [etc.] , : Elsevier Academic Press, 2010
ISBN	9780123751713 9780123751720
Edizione	[2. ed]
Descrizione fisica	LII, 892 p., [16] p. di tav. : ill. ; 24 cm.
Collana	Methods in Enzymology
Disciplina	572
Locazione	SC1
Collocazione	BSF-MET.ENZ.-2 (470
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910830393303321
Titolo	Music navigation with symbols and layers : toward content browsing with IEEE 1599 XML encoding / / edited by Denis L. Baggi and Goffredo M. Haus
Pubbl/distr/stampa	Hoboken, New Jersey : , : John Wiley & Sons, , c2012 [Piscataway, New Jersey] : , : IEEE Xplore, , [2013]
ISBN	1-118-49444-X 1-299-38759-4 1-118-49442-3
Descrizione fisica	1 online resource (223 p.)
Altri autori (Persone)	BaggiDenis HausGoffredo
Disciplina	780.285674
Soggetti	Information storage and retrieval systems - Music XML (Document markup language)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface xi -- A Brief Introduction to the IEEE 1599 Standard xv -- Denis L. Baggi and Goffredo M. Haus -- List of Contributors xvii -- 1 THE IEEE 1599 STANDARD 1 -- Denis L. Baggi and Goffredo M. Haus -- 1.1 Introduction 1 -- Important Features of IEEE 1599 2 -- Examples of Applications of IEEE 1599 to Increase Music Enjoyment 3 -- Example I: A Score with Different Versions: "King Porter Stomp," by Jelly Roll Morton 6 -- Example II: A Jazz Piece with No Score: "Crazy Rhythm" 6 -- Example III: An Opera Using the Composer's Manuscript: Tosca, by Giacomo Puccini 9 -- Example IV: "Peaches en Regalia," by Frank Zappa 9 -- Example V: "Il mio ben quando verreaa," by Giovanni Paisiello 12 -- Example VI: Brandenburg Concerto No. 3, by J.S. Bach 14 -- Example VII: Blues, a Didactical Tool to Learn Jazz Improvisation 14 -- Example VIII: "La caccia," from Antonio Vivaldi's Four Seasons ("Autumn") 16 -- Example IX: A Musicological Fantasy: Tauhid, a Piece of Free Jazz 17 -- Conclusions 19 -- Acknowledgments 19 -- References 19 -- 2 ENCODING MUSIC INFORMATION 21 -- Luca A. Ludovico -- 2.1 Introduction 21 -- 2.2 Heterogeneous Descriptions of Music 22 -- 2.3

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Standard 1599 IEEE Standard 1599 codes music in XML such that it is rendered in symbols readable by both humans and machines. It is a significant breakthrough over formats such as MP3s (which are only machine-readable) and is a valuable method of preserving and adding worth to older musical manuscripts and printed scores, because it retains the original written sheet music as a permanent image scan while at the same time allowing for multimedia layers (audio, a printed copy of the score, video of a performance, alternate takes/versions, etc.). Music Navigation with Symbols and Layers is the first book-length explanation of applications for the new IEEE Standard 1599, IEEE Recommended Practice for Defining a Commonly Acceptable Musical Application Using XML. Written and edited by the creators of the standard-and geared towards professionals working in all aspects of the electronic and computer music industry-this book:. Presents a manual that teaches how to encode music with IEEE 1599. Considers a wide and genuinely global span of music, including classical, jazz, pop, opera, and even non-Western music such as African drum bands or Indian melodic improvisations. Posits that applications built with IEEE 1599 can move music from something we listen to to something we interact with and truly understand. Runs the gamut from commercial (iPods and other portable devices) to educational (tutorials on music theory) to historical and cultural (music preservation) Music Navigation with Symbols and Layers is a must-have reference for anyone wanting to create a computer application using IEEE 1599.
