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	Titolo	Scala: From a Functional Programming Perspective [[electronic resource]] : An Introduction to the Programming Language / / by Vicenç Torra
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
	ISBN	3-319-46481-7
	Edizione	[1st ed. 2016.]
	Descrizione fisica	1 online resource (XIII, 124 p. 7 illus.)
	Collana	Programming and Software Engineering ; ; 9980
	Disciplina	005.114
	Soggetti	Programming languages (Electronic computers)
		Computer programming
		Software engineering
		Mathematical logic
		Computers
		Pattern recognition
		Programming Languages, Compilers, Interpreters
		Programming Techniques
		Software Engineering
		Mathematical Logic and Formal Languages
		Models and Principles
		Pattern Recognition
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	An introduction to functional programming languages -- The basics of the language -- Lazy and eager evaluation -- Object-oriented programming in Scala -- Types and classes revisited: polymorphism -- Scala: OOL and FP -- Algebraic data types -- Parallelism.
	Sommario/riassunto	This book gives an introduction to the programming language Scala. It presents it from a functional programming perspective. The book explains with detail functional programming and recursivity, and includes chapters on lazy and eager evaluation, streams, higher-order functions (including map, fold, reduce, and aggregate), and algebraic data types. The book also describes the object-oriented aspects of

Scala, as they are a fundamental part of the language. In addition, the book includes a chapter on parallelism in Scala, giving an overview of the actor model.