1.	Record Nr.	UNINA9910437598203321
	Autore	O'Regan Gerard
	Titolo	Giants of Computing : A Compendium of Select, Pivotal Pioneers / / by Gerard O'Regan
	Pubbl/distr/stampa	London : , : Springer London : , : Imprint : Springer, , 2013
	ISBN	1-4471-5340-5
	Edizione	[1st ed. 2013.]
	Descrizione fisica	1 online resource (297 p.)
	Disciplina	004.0922
	Soggetti	Computers History Artificial intelligence Programming languages (Electronic computers) History of Computing History of Science Artificial Intelligence Programming Languages, Compilers, Interpreters
	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 (pages [299]-302) and index.
	Nota di contenuto	Background -- Howard Aiken -- Gene Amdahl -- Archimedes -- John Atanasoff -- Charles Babbage -- John Backus -- Gordon Bell -- Tim Berners-Lee -- Dines Bjørner -- George Boole -- Fred Brooks -- Vannevar Bush -- Vint Cerf -- Alonzo Church -- Noam Chomsky -- Edgar Codd -- René Descartes -- Tom DeMarco -- Edsger Dijkstra -- George Devol -- Larry Ellison -- Don Estridge -- Michael Fagan -- Tommy Flowers -- Robert Floyd -- Bill Gates -- James Gosling -- C.A.R Hoare -- Heman Hollerith -- Watts Humphrey -- Kenneth Iverson -- Ivar Jacobson -- Steve Jobs -- Gary Kildall -- Donald Knuth -- Gottfried Wilhelm Leibniz -- Ada Lovelace -- John McCarthy -- John Mauchly -- Marvin Minsky -- Gordon Moore -- Grace Murray Hopper -- Ken Olsen -- David Parnas -- Dennis Ritchie -- Dana Scott -- John Searle -- Claude Shannon -- William Shockley -- Richard Stallman -- Bjarne Stroustrup -- Alan Turing -- John von Neumann -- Thomas Watson Sr. and Jr. -- Joseph Weizenbaum -- Frederick Williams -- Niklaus Wirth -- Ed Yourdon -- Konrad Zuse -- Epilogue -- Test

Sommario/riassunto	It has been upon the shoulders of giants that the modern world has been forged. This accessible compendium presents an insight into the great minds responsible for the technology which has transformed our lives. Each pioneer is introduced with a brief biography, followed by a concise account of their key contributions to their discipline. The selection covers a broad spread of historical and contemporary figures from theoreticians to entrepreneurs, highlighting the richness of the field of computing. Topics and features: Describes the lives and machines built by Hermann Hollerith, Vannevar Bush, Howard Aiken, John Atanasoff, Tommy Flowers, John Mauchly, and Konrad Zuse Examines the contributions made by Claude Shannon, John Von Neumann, Alan Turing, and Sir Frederick Williams Reviews such pioneers of commercial computing as John Backus, Fred Brooks, Gordon Moore, William Shockley, Vint Cerf, Don Estridge, Gary Kildall, and Tim Berners-Lee Surveys pivotal software engineers, including Robert Floyd, C.A.R Hoare, Dines Bjorner, Edger Dijkstra, Tom DeMarco, Michael Fagan, Watt Humphries, Ivor Jacobson, David Parnas, and Ed Yourdan Discusses important characters in theoretical computing, such as James Gosling, Grace Murray Hopper, Kenneth Iverson, Donald Knuth, Dennis Ritchie, Ken Thompson, Dana Scott, Christopher Strachey, Bjarne Stroustroup, and Niklaus Wirth Includes significant contributors to the field of artificial intelligence, including John McCarthy, Marvin Minsky, John Searle, and Joseph Weizenbaum Presents a selection of computer entrepreneurs, including Larry Ellison, Bill Gates, Steve Jobs, Ken Olsen, and Thomas Watson Sr. and Jr. Suitable for the general reader, this concise and easy-to-read reference will be of interest to anyone curious about the inspiring men and women who have shaped the field of computer science.