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2. Record Nr.	UNINA9910791100703321
Titolo	Alan Turing and his contemporaries [[electronic resource]] : building the world's first computers // Simon Lavington (editor)
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ISBN	1-78017-105-6 1-78017-106-4 1-78017-107-2
Descrizione fisica	1 online resource (128 p.)
Altri autori (Persone)	LavingtonSimon
Disciplina	004 004.0922
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Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Copyright; CONTENTS; AUTHORS; ACKNOWLEDGEMENTS; PREFACE; 1 THE IDEAS MEN; SCIENCE AT WAR; THE MOORE SCHOOL: THE CRADLE OF ELECTRONIC COMPUTING; THE UNIVERSAL TURING MACHINE; PRACTICAL PROBLEMS, 1945-7; THE RICH TAPESTRY OF PROJECTS, 1948-54; 2 ACES AND DEUCES; TURING'S FIRST COMPUTER DESIGN; TOIL AND TROUBLE; INTELLIGENCE AND ARTIFICIAL INTELLIGENCE; PILOT ACE ARRIVES AT LAST; 3 IVORY TOWERS AND TEA ROOMS; MAURICE WILKES AND THE CAMBRIDGE UNIVERSITY MATHEMATICAL LABORATORY; POST-WAR RECONSTRUCTION AND THE STORED-PROGRAM COMPUTER; A MEMORY FOR EDSAC; EDSAC, ACE AND LEO; NOT JUST EDSAC FIRST STEPS IN PROGRAMMINGWILKES, WHEELER AND GILL; THE LAST DAYS OF THE EDSAC; 4 THE MANCHESTER MACHINES; MEMORIES ARE MADE OF THIS...; THE BABY COMPUTER; THE BABY GROWS UP; FERRANTI ENTERS THE PICTURE; A SUPERCOMPUTER; PROGRAMS AND USERS; WHAT CAME NEXT?; 5 MEANWHILE, IN DEEPEST HERTFORDSHIRE; THE ADMIRALTY'S SECRET; INNOVATIONS AT BOREHAMWOOD; SWORDS INTO PLOUGHSHARES; THE COMING OF AUTOMATION; 6 ONE MAN IN A BARN; X-RAY CALCULATIONS; THE CHALLENGE OF MEMORY;

COMPUTERS FOR ALL!; THE BOOTH MULTIPLIER; COMMERCIAL SUCCESS;
7 INTO THE MARKETPLACE; OUT OF THE LABORATORY; DEFENCE AND
THE COLD WAR
SCIENCE AND ENGINEERING THE WORLD OF COMMERCE AND BUSINESS;
THE MARKET GROWS AND THE MANUFACTURERS SHRINK; 8 HINDSIGHT
AND FORESIGHT: THE LEGACY OF TURING AND HIS CONTEMPORARIES;
WHO DID WHAT, AND WHEN?; TURING AS SEEN BY HIS
CONTEMPORARIES; TURING'S REPUTATION BY 1984; APPENDIX A:
TECHNICAL COMPARISON OF FIVE EARLY BRITISH COMPUTERS; THE
MANCHESTER SMALL-SCALE EXPERIMENTAL MACHINE (SSEM), KNOWN
AS THE 'BABY'; INSTRUCTION FORMAT FOR THE ENGLISH ELECTRIC
DEUCE; APPENDIX B: TURING AND COMPUTING: A TIMELINE; ALAN
TURING AT NPL, 1945-8; ALAN TURING AT MANCHESTER, 1948-54
APPENDIX C: FURTHER READING GENERAL ACCOUNTS OF THE PERIOD
1945-60; CHAPTER-SPECIFIC BOOKS; INDEX; Back Cover

Sommario/riassunto

Secret wartime projects in areas such as code-breaking, radar and ballistics produced a wealth of ideas and technologies that kick-started the development of digital computers. This is the story of the people and projects that flourished in the post-war period. Their influence is still discernable deep down within today's hardware and software.
