

1. Record Nr.	UNINA9910983073103321
Autore	Ghafar-Zadeh Ebrahim
Titolo	Advanced CMOS Biochips : Design and Fabrication / / by Ebrahim Ghafar-Zadeh, Saghi Forouhi, Tayebah Azadmousavi
Pubbl/distr/stampa	Dordrecht : , : Springer Netherlands : , : Imprint : Springer, , 2025
ISBN	9789400700994 9400700997
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (255 pages)
Collana	Analog Circuits and Signal Processing, , 2197-1854
Altri autori (Persone)	ForouhiSaghi AzadmousaviTayebah
Disciplina	610.28
Soggetti	Biomedical engineering Electronic circuits Medicine - Research Biology - Research Biomedical Engineering and Bioengineering Electronic Circuits and Systems Biomedical Research
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Promises of CMOS technology for biological applications -- Fundamental of Chemo-and bio-interfaces -- Electro-Microfluidics -- Integrated front-end devices -- Biochip circuit designs -- Micro-and nanofabrication post-processing methods -- Current and Emerging CMOS Technologies.
Sommario/riassunto	Biochips incorporate a verity of means including electronic, photonic and microfluidic devices; biological materials (living cells, tissue, enzymes, nucleic acid and etc.) and chemical analysis to produce the detectable signals for identification of biological phenomena. Among several competing biochip technologies, Complementary Metal Oxide Semiconductor (CMOS) process offers the advantages of low cost, integrated, high precision and portable techniques suitable for point-of-care diagnostics. Advanced CMOS Biochip takes multi-path approach: microelectronic design and implementation of bio-interfaces offering a vital contemporary view of a wide range of integrated circuits

and system for electrical, magnetic, optical and mechanical sensing and actuating blocks and much more; classical knowledge of biology, biochemistry as well as microfluidics. The coverage is both practical and in depth integrating experimental, theoretical and simulation examples. By using AdvancedCMOS Biochip, readers will have the fundamentals and design techniques to grasp the situation which arise typically in CMOS biochip devices.

2. Record Nr.	UNINA9911019205403321
Autore	Baker Gordon P
Titolo	Wittgenstein [[electronic resource]] : understanding and meaning . Part 1 Essays // G.P. Baker & P.M.S. Hacker
Pubbl/distr/stampa	Malden, MA ; ; Oxford, : Blackwell Pub., 2005
ISBN	1-281-32273-3 9786611322731 0-470-75280-7 0-470-75279-3
Edizione	[2nd., extensively rev. ed. /]
Descrizione fisica	1 online resource (420 p.)
Collana	Analytical commentary on the Philosophical investigations ; ; v. 1
Altri autori (Persone)	HackerP. M. S (Peter Michael Stephan)
Disciplina	192
Soggetti	Philosophy Language and languages - Philosophy Semantics (Philosophy)
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 and index.
Nota di contenuto	Wittgenstein: Understanding and Meaning; Contents; Acknowledgements; Introduction to Part I: Essays; Abbreviations; I The Augustinian conception of language (1); 1. Augustine's picture; 2. The Augustinian family; (a) word-meaning; (b) correlating words with meanings; (c) ostensive explanation; (d) metapsychological corollaries; (e) sentence-meaning; 3. Moving off in new directions; 4. Frege; 5. Russell; 6. The Tractatus; II Explanation (6); 1. Training, teaching and explaining; 2. Explanation and meaning; 3. Explanation and grammar; 4. Explanation and understanding

III The language-game method (7)1. The emergence of the game analogy; 2. An intermediate phase: comparisons with invented calculi; 3. The emergence of the language-game method; 4. Invented language-games; 5. Natural language-games; IV Descriptions and the uses of sentences (18); 1. Flying in the face of the facts; 2. Sentences as descriptions of facts: surface-grammatical paraphrase; 3. Sentences as descriptions: depth-grammatical analysis and descriptive contents; 4. Sentences as instruments; 5. Assertions, questions, commands make contact in language

V Ostensive definition and its ramifications (28)1. Connecting language and reality; 2. The range and limits of ostensive explanations; 3. The normativity of ostensive definition; 4. Samples; 5. Misunderstandings resolved; 6. Samples and simples; VI Indexicals (39); VII Logically proper names (39); 1. Russell; 2. The Tractatus; 3. The criticisms of the Investigations: assailing the motivation; 4. The criticisms of the Investigations: real proper names and simple names; VIII Meaning and use (43); 1. The concept of meaning; 2. Setting the stage 3. Wittgenstein: meaning and its internal relations4. Qualifications; IX Contextual dicta and contextual principles (50); 1. The problems of a principle; 2. Frege; 3. The Tractatus; 4. After the Tractatus; 5. Compositional theories of meaning; 6. Computational theories of understanding; X The standard metre (50); 1. The rudiments of measurement; 2. The standard metre and canonical samples; 3. Fixing the reference or explaining the meaning?; 4. Defusing paradoxes; XI Family resemblance (65); 1. Background: definition, logical constituents and analysis 2. Family resemblance: precursors and anticipations3. Family resemblance: a minimalist interpretation; 4. Sapping the defences of orthodoxy; 5. Problems about family-resemblance concepts; 6. Psychological concepts; 7. Formal concepts; XII Proper names (79); 1. Stage-setting; 2. Frege and Russell: simple abbreviation theories; 3. Cluster theories of proper names; 4. Some general principles; 5. Some critical consequences; 6. The significance of proper names; 7. Proper names and meaning; XIII Turning the examination around: the recantation of a metaphysician (89) 1. Reorienting the investigation

Sommario/riassunto

This is a new edition of the first volume of G.P.Baker and P.M.S. Hacker's definitive reference work on Wittgenstein's Philosophical Investigations. New edition of the first volume of the monumental four-volume Analytical Commentary on the Philosophical Investigations. Takes into account much material that was unavailable when the first edition was written. Following Baker's death in 2002, P.M.S. Hacker has thoroughly revised the first volume, rewriting many essays and sections of exegesis completely. Part One - the Essays - now includes tw
