

1. Record Nr.	UNINA9910141908703321
Titolo	2014 IEEE/ASME 10th International Conference on Mechatronic and Embedded Systems and Applications (MESA) : 10-12 Sept. 2014, Hotel Duchi della Rovere, Senigallia, Ancona, Italy / / Institute of Electrical and Electronics Engineers
Pubbl/distr/stampa	Piscataway, New Jersey : , : IEEE, , 2014
ISBN	1-4799-2280-3
Descrizione fisica	1 online resource (642 pages)
Disciplina	004.16
Soggetti	Embedded computer systems Mechatronics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	To bring together experts from the fields of mechatronic and embedded systems, disseminate the recent advances made in the area, discuss future research directions, and exchange application experience.

2. Record Nr.	UNINA9910784448503321
Autore	Clayton G. B (George Burbridge)
Titolo	Operational amplifiers [[electronic resource] /] / George Clayton and Steve Winder
Pubbl/distr/stampa	Oxford ; ; New York, : Newnes, 2003
ISBN	9780080479828 (e-book)
Edizione	[5th ed.]
Descrizione fisica	1 online resource (vii, 386 p.) : ill
Altri autori (Persone)	WinderSteve
Disciplina	621.381535
Soggetti	Operational amplifiers Electronic measurements
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Previous ed.: 2000.
Nota di bibliografia	Includes bibliographical references (p. [382]) and index.
Nota di contenuto	1. Fundamentals -- 2. Real op-amp performance parameters -- 3. Analogue integrated circuit technology -- 4. Applications: linear circuits -- 5. Logarithmic amplifiers and related circuits -- 6. Integrators and differentiators -- 7. Comparator, monostable and oscillator circuits -- 8. Sensor interface, analogue processing and digital conversion -- 9. Active filters -- 10. Practical considerations -- Answers to exercises -- Appendix A1: Operational amplifier applications and circuit ideas -- Appendix A2: Gain peaking/damping factor/ phase margin -- Appendix A3: Effect of resistor tolerance on CMRR of one amplifier differential circuit -- Appendix A4: Instrumentation transducers -- Appendix A5: Integrated circuit datasheets -- Bibliography -- Index.
Sommario/riassunto	George Clayton's Operational Amplifiers is a well established undergraduate text - offering full coverage of the subject for HNC/HND electronic engineering as well as first and second year degree modules. It has also proved popular in industry as a reference text. Having previously been fully revised by Steve Winder, this classic textbook covers all the latest developments in the field, matched to current degree module syllabuses in both the UK and USA. The introductory sections assume only a basic grounding in electronics, followed by more in-depth material to further the reader's understanding of the subject. Each chapter is followed by a set of exercises, enabling the reader to put the theory learnt into practice, with full answers provided

at the back of the book. Appendices feature reproductions of manufacturers' data sheets, placing the concepts introduced in the text into a real-world context, as well as a comprehensive bibliography. This approach, combined with the book's easily accessible page layout and style, results in a highly student centred and comprehensive text. New, updated and expanded topics in the new edition include: bipolar, JFET and MOSFET transistors; voltage regulators; dielectric absorption on integrator, differentiator and S&H circuits; as well as FDNR and Gyrator filters.
