Record Nr. UNINA9910734850803321 Autore Nagaria R. K **Titolo** VLSI, Communication and Signal Processing [[electronic resource]]: Select Proceedings of the 5th International Conference, VCAS 2022 / / edited by R. K. Nagaria, V. S. Tripathi, Carlos Ruiz Zamarreno, Yogendra Kumar Prajapati Singapore:,: Springer Nature Singapore:,: Imprint: Springer,, 2023 Pubbl/distr/stampa **ISBN** 981-9909-73-2 Edizione [1st ed. 2023.] Descrizione fisica 1 online resource (867 pages) Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 1024 Collana Altri autori (Persone) TripathiV. S ZamarrenoCarlos Ruiz PrajapatiYogendra Kumar 621.395 Disciplina Soggetti Electronic circuits Telecommunication Computer engineering Computer networks Wireless communication systems Mobile communication systems **Electronic Circuits and Systems** Communications Engineering, Networks Computer Engineering and Networks Wireless and Mobile Communication Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto 1. Effect of scandium doping on crystallization kinetics and glass transition of Te(1-x) (GeSe0.5) Scx (x = 0.1) glassy alloy for PCM applications -- 2. Design of Ultra Low Power and High Speed Comparator Using Charge Sharing Technique -- 3. Underwater Image Enhancement Using Color Correction and Fusion -- 4. Stacked Bi-LSTM Network and Dual Signal Transformation for Heart Sound Denoising --5. Abnormality Detection in Heart using Combination of CNN, RNN and U-net -- 6. High Speed LVDS Driver Design with Fast Settling Common Mode Feedback Circuit -- 7. Design and Analysis of Low Power

Frequency Divider Circuit.

Sommario/riassunto

This book covers a variety of topics in Electronics and Communication Engineering, especially in the area of microelectronics and VLSI design, communication systems and networks, and signal and image processing. The content is based on papers presented at the 5th International Conference on VLSI, Communication and Signal Processing (VCAS 2022). The book also discusses the emerging applications of novel tools and techniques in image, video, and multimedia signal processing. This book is useful to students, researchers, and professionals working in the electronics and communication domain.