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Nota di contenuto	Introduction -- Photodetector design -- Optical radiation detection process -- Photoelectric signal conversion -- Photoelectric image signal processing -- Optoelectronic signal circuit design -- Low noise electronic design -- Audio and Electroacoustics -- Electrocardiogram -- Biomedical signal detection method -- Bioelectricity detection -- Biosignal detection and estimation -- High-order spectral analysis -- Optical communication network -- Coherent optical communication -- Space division multiplexing -- Conclusion.
Sommario/riassunto	This book presents the proceedings of the 4th International Conference on Electronics and Signal Processing (ICESP 2023), which was held in Macau, China during January 13-15, 2023. The book consists of contributions from various authors from both academia and industry, focusing on a diverse aspect of signal processing and information communication systems. The published papers suggest cutting-edge solutions that contribute to the quest for the future applications and communicating systems. The book is a useful reference to research students, research fellows, and scientists and engineers in the corresponding fields.

