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	Nota di contenuto	Novel Area Effective Designs for Full-Adder & Full-Subtractor using QCA -- Study of All-Optical Directional Coupler Based on Holes in Slab Photonic Crystal Structure -- All-Optical Feynman Gate using Frequency Encoding Scheme, Add/drop Multiplexer and Reflective Semiconductor Optical Amplifier with Simulative Verification -- Effects of Dimensional Variations on Short Channel Parameters in 14 nm Channel Length TG–SOI FinFETs -- Dibit-Based 4-bit Parity Generator using Reflective Semiconductor Optical Amplifier and Frequency Encoding Scheme -- Design and Implementation of an Efficient QCA based Multilayer Multi-Bit Parallel Shift Register Using Reversible Level-Sensitive 'D' flip-flop -- A 12-bit Low Power 50MS/s SAR ADC Optimized for Speed and Power in 45nm CMOS Technology -- Decision Tree-based Classification of sEMG and Accelerometer Data of Sign Language -- Bibliometric Analysis of Published Literature on Mobile Healthcare in the Past One Decade -- Shetkari Mitra App, An Application to Maximize the Profit of Farmers.
	Sommario/riassunto	This book covers recent trends in the field of devices, wireless communication and networking. It gathers selected papers presented at the 5th International Conference on Communication, Devices and Networking (ICCDN 2021), which was organized by the Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Sikkim, India, on 15–16 December 2021. Gathering

cutting-edge research papers prepared by researchers, engineers and industry professionals, it will help young and experienced scientists and developers alike to explore new perspectives and offer them inspirations on how to address real-world problems in the areas of electronics, communication, devices and networking.