



*electronics*



*Special Issue Reprint*

## Applications Enabled by FPGA-Based Technology

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Field-programmable gate array (FPGA) technology represents a potential alternative to classical CPUs and GPUs in the post-Moore era from edge computing to data centers. FPGAs offer performance improvements when compared with traditional processing architectures due to their spatial computation capability and energy efficiency. In recent years, FPGA technologies have evolved in the form of tools, design methodologies, and architectural features. These technologies have enabled or boosted novel application domains. This reprint aims to present how advances in FPGA-based technologies have made it possible for multiple application domain. As the number of applications requiring high performance and flexibility continues to evolve, we can expect to see even more and more applications in the future.



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