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from automotive to space and from health to security, while devoting special attention to the use of embedded devices and sensors for imaging, communication, and control. The book is based on the 2023 ApplePies Conference, held in Genoa, Italy, in September 2023, which brought together researchers and stakeholders to consider the most significant current trends in the field of applied electronics and to debate visions for the future. Areas addressed by the conference included information communication technology; biotechnology and biomedical imaging; space; secure, clean, and efficient energy; the environment; and smart, green, and integrated transport. As electronics technology continues to develop apace, constantly meeting previously unthinkable targets, further attention needs to bedirected toward the electronics applications and the development of systems that facilitate human activities. This book, written by industrial and academic professionals, represents a valuable contribution in this endeavor.