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Autore	Iakovidis Dimitris
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Sommario/riassunto	This is a collection of recent advances on sensors, systems, and signal/image processing methods for biomedicine and assisted living. It includes methods for heart, sleep, and vital sign measurement; human motion-related signal analysis; assistive systems; and image- and video-based diagnostic systems. It provides an overview of the state-of-the-art challenges in the respective topics and future directions. This will be useful for researchers in various domains, including computer science, electrical engineering, biomedicine, and healthcare researchers.