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Nota di contenuto	Healthcare Delivery in the Era of Ir4.: The Rise of the Drone -- Effect of Fluid Properties on Bone Scaffold Permeability -- Smart Wheelchair Navigation Using Ros with Collision Avoidance and 2d Mapping -- An Intelligent Autonomous Wheelchair for Hospital -- One Hand Braille Assistive for Computer Application-oh Baca -- A Communication Assistive Glasses for Hearing Impaired Users -- Assistive Vest for Visually Impaired Users -- Design and Structural Analysis of Patient Specific Knee Guide Using Automated Fea -- Physiological Changes in Male Pelvic Floor Muscles During Salat Movement: A Preliminary Study -- Antimicrobial Properties of Nanoporous Hydroxyapatite Doped with Polyphenols Extracted from Euphorbia Tirucalli L. (Pokok Tetulang) -- Fundamental Research for Leg Band Type Wearable Electrocardiogram Monitor -examination of Electrode Position and Construction of Basic System -- Glutathione Precursors Supplementation Effects on Renal

Function, Lipid Profile and Body Composition -- Fabrication and Characterisation of Inkjet Printed Flexible Fractal-type Temperature Sensor -- Design and Characterization of Flexible, Kirigami-based, Resistive, Strain Sensors -- Multidisciplinary Approach in Primary Teeth Bite Marks Analysis on Prehistoric Pottery Sherds.

Sommario/riassunto

This book reports on engineering methods and technologies for biomedical applications. It covers sensors and devices for biological and medical purposes, along with their fabrication and testing, and advances in engineering technologies, such as autonomous systems, which can support life science and healthcare in the era of industry 4.0. Based on the proceedings of the 4th International Conference for Innovation in Biomedical Engineering and Life Sciences, ICIBEL 2022, held on December 10–13, 2022, in Kuala Lumpur, Malaysia, this book provides researchers and professionals with a timely snapshot of current issues and challenges in the broad field of biomedical engineering. It is aimed at inspiring future research and fostering interdisciplinary and international collaborations in this field and relating ones.
