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Titolo	Human-Centered Technology for a Better Tomorrow : Proceedings of HUMENS 2021 / / edited by Mohd Hasnun Arif Hassan, Zulkifli Ahmad (a) Manap, Mohamad Zairi Baharom, Nasrul Hadi Johari, Ummu Kulthum Jamaludin, Muhammad Hilmi Jalil, Idris Mat Sahat, Mohd Nadzeri Omar
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Nota di contenuto	Heart Rate Variability (HRV) as a Physiological marker of Stress among Electronics Assembly Line Workers -- Dynamic Propagation Area to Simulate Soft Tissue De- formations using Mass Spring Method -- MG Signal Segmentation to Predict Driver's Vigilance State -- Prediction of Blood Glucose Level based on Lipid Profile and Blood Pressure using Multiple Linear Regression Model -- Study on the Enhancement of Malaysian ICU Centre and Introduction of STAR Performance -- Modeling of Soft Tissue Deformation using Mass Spring Method with Nonlinear Volume Force -- Chaotic Map Initializations with Tiki-Taka Algorithm for Software Remodularization Problem -- Development of Real-time Emotion Recognition System Based on Machine Learning Algorithm -- Development of Sign Language Translator for Speech Impairment Person -- Comparative Study of Five Metaheuristic

Algorithms for Team Formation Problem -- Automatic Identification of Plastic Waste By HSV Colour -- Validation of compressive test of biodegradable lumbar interbody spinal cage with different porous structure using computed tomography-based finite element analysis -- Node-Based Soft Object Deformation using Stress Estimation Method -- Effect of Airway Stent on Stenosed Trachea.

Sommario/riassunto	This book acts as a compilation of papers presented in the Human Engineering Symposium (HUMENS 2021). The symposium theme, "Human-centered Technology for A Better Tomorrow," covers the following research topics: ergonomics, biomechanics, sports technology, medical device and instrumentation, artificial intelligence / machine learning, industrial design, rehabilitation, additive manufacturing, modelling and bio-simulation, and signal processing. Fifty-nine articles published in this book are divided into four parts, namely Part 1—Artificial Intelligence and Biosimulation, Part 2—Biomechanics, Safety and Sports, Part 3—Design and Instrumentation, and Part 4—Ergonomics.