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Nota di contenuto	Parameter Extraction of Muscle Contraction Signals from Children with ASD During Fine Motor Activities -- Influence of Environmental Factors and Road Characteristics in Commuting Accidents among Public University Staffs -- Human Factors: Drivers' Speed Choice on Relatively Low-Speed Limit Roads -- Noise Risk Assessment on Noise Exposure Among Urban Rail Maintenance Workers using Personal Monitoring Method -- Design of Hose Roller for Firefighter: A Fatigue Study -- Enhancing Mental Health through Ambient Lighting -- Study of Primary Stability of Hip Implant for Semi Hip Replacement by using Finite Element Analysis -- Investigation of Mental Health Condition among Factory Worker during Covid Pandemic – A Cross Sectional Study -- Preliminary Ergonomics Analysis of Sit-Stand (STS) Desk on The Patient with Lower Back Pain Problem: A Case Study -- Risk Assessment for Manual Handling Activities in a Dairy Industry -- Developing a Survey Tool to Measure Human Factors Constructs for Personal

Hearing Protector (PHP) Use among Industrial Workers - First Phase -- Fluid-Structure Interaction (FSI) Modelling in Stenotic Carotid Artery Bifurcation -- Measuring Running Performance Through Technology: A Brief Review -- Experimental Study of Gait Monitoring on Wearable Shoes Insole and Analysis: A Review -- Brief Review of Recent Study on Fluid-Structure Interaction Modeling of Blood Flow in Peripheral Arterial Disease -- Head Injury During Heading of Two Types Speak Takraw Balls: Analytical Approach -- Prediction of Atherosclerosis in Peripheral Arterial Disease Using Computational Fluid Dynamics Modelling -- The influence of body balance towards the golf putting performance -- Development of Noise Risk Assessment (NRA) and Management System -- A Short Review on Development of Table Tennis Robotic Launcher -- A Review of Biomechanical and Psychosocial Risk Factors among Workers -- Reusability study of 3D printing mould and resin casting for takraw ball launcher wheel -- Rehabilitation and Gamification Technology Device for Lower Extremities Patient: A Review -- Framework of Safety Helmet Compliance Detection and Employee Tracking by Using Quick Response (QR Code) Technology -- Knowledge and Awareness of Road Safety among University Students.

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### Sommario/riassunto

This book acts as a compilation of papers presented in the 2nd Human Engineering Symposium (HUMENS 2023), held at Pekan, Pahang, Malaysia. The symposium 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. The articles published will be of interest to researchers and practitioners from the medical device manufacturers, healthcare, rehabilitation and sports technology.

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