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Nota di contenuto	Impact of Armor-perforating Projectile on a Bullet-resistant Silicon-Carbide-Graphene Composite through Finite Element Method -- Artificial Neural Network Model Development for the Analysis of Maximum Pressure of Hole Entry Journal Bearing Using SciLab -- Design and Simulation of Wind Tunnel using CFD Analysis -- Evaluation of Seat to Head Transmissibility at Different Backrest Conditions during Whole Body Vibration Using Fem -- Developments in Three-Dimensional Scanning Techniques and Scanners -- Damping Behaviour of Bias Flow Perforated Acoustic Liners: A Parametric Study -- Design and Fabrication of a Socket Jockey and its Use in Home Automation -- Algorithm for Translation and Rotation Motions of Gantry Robot -- Optimal Selection of Circular Interpolation for CNC Turning Centers -- Classification of Motorcycles and Prediction of Indian Motorcyclist's Posture at the Conceptualization Design Stage.
Sommario/riassunto	This book consists of select proceedings of the International Conference on Emerging Trends in Mechanical and Industrial Engineering (ICETMIE) 2019. It covers current trends in thermal, design, industrial, production and other sub-disciplines of mechanical engineering. This volume focuses on different areas of design engineering including computational mechanics, computational fluid

dynamics, finite elements in modelling, simulation, analysis and design, kinematics and dynamics of rigid bodies, micro- and nano-mechanics, solid mechanics and structural mechanics, vibration and acoustics, applied mechanics, and biomechanics. It also covers various topics from thermal engineering including refrigeration plants, heat exchangers, heat pumps and heat pipes, combined heat and power and advanced alternative cycles, polygeneration, combustion processes, heat transfer, solar cells, solar thermal power plants, and the integration of renewable energy with conventional processes. This book will be useful for students, researchers as well as professionals working in the area of mechanical engineering, especially thermal engineering and engineering design and other allied areas.
