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Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Human Behavior Estimation Using Micro-vibration Sensor Based on Deep Boltzmann Machine -- Topological Tracking for Mobility Support Robots Based on Multi-scale Batch-Learning Growing Neural Gas -- An Improved Computational Method for Solving Partial Differential Equation Arising from Communication Engineering -- Bibliographic Analysis of The Capacity and Applicability of Li-Fi Networks -- Layered-MAC: An Energy-Protected and Efficient Protocol for Wireless Sensor Networks -- Study on Urban Travel Volume during The Outbreak of COVID-19 -- A Review of Additive Manufacturing (3D Printing) in Aerospace -- Instantaneous Availability Analysis of Maintenance Process Based on Semi-Markov Model -- A Survey of

Techniques for Constructing Mongolian Domain-specific Knowledge Graph -- Mongolian Word Segmentation Based on BiLSTM-CNN-CRF Model -- A SEIR Model of Public Opinion Dissemination in Complex Network with Information Screening Mechanism -- Safety Helmet Wearing Recognition Based onYOLOv5 -- Conclusion.

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## Sommario/riassunto

This book presents the proceedings of the 10th International Conference on Mobile Wireless Middleware, Operating Systems and Applications (MOBILWARE 2021), held virtually in a live stream. The papers included contribute to organized topics of 5G wireless communication, wireless sensor networks, knowledge extraction, instantaneous availability, complex networks, computer vision for mobile application, and mobile support robots. The research presents both theoretically and experimentally based topics. The work particularly benefits researchers, graduate students, and engineers who are interested in related technique improvement ranging from communication middleware and operating systems to networking protocols and applications. Presents the proceedings of the 10th International Conference on Mobile Wireless Middleware, Operating Systems and Applications (MOBILWARE 2021); Topics include 5G wireless communication, wireless sensor networks, knowledge extraction, and instantaneous availability; Relevant to researchers, students, and engineers involved in wireless technology and its applications.

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